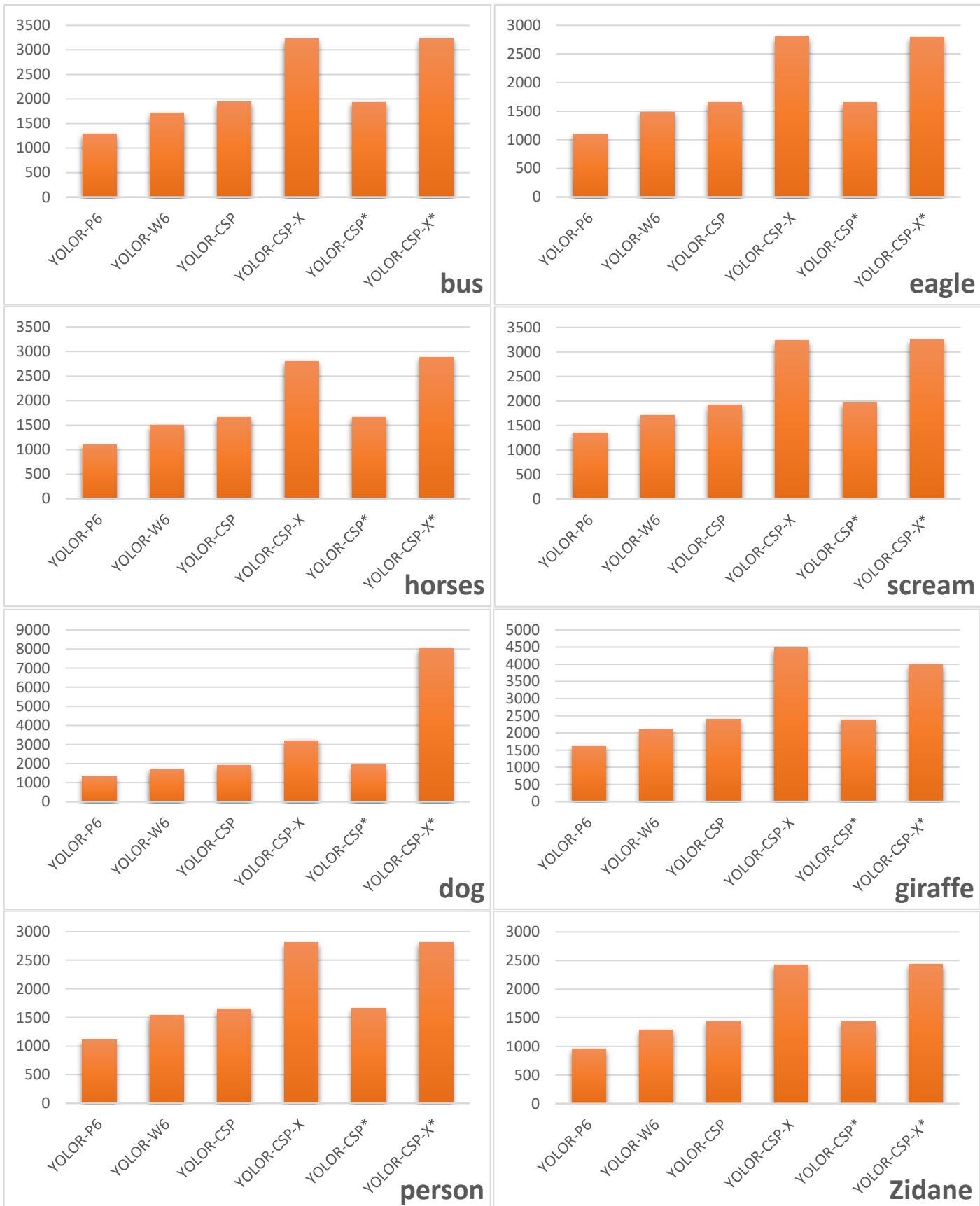


Pytorch

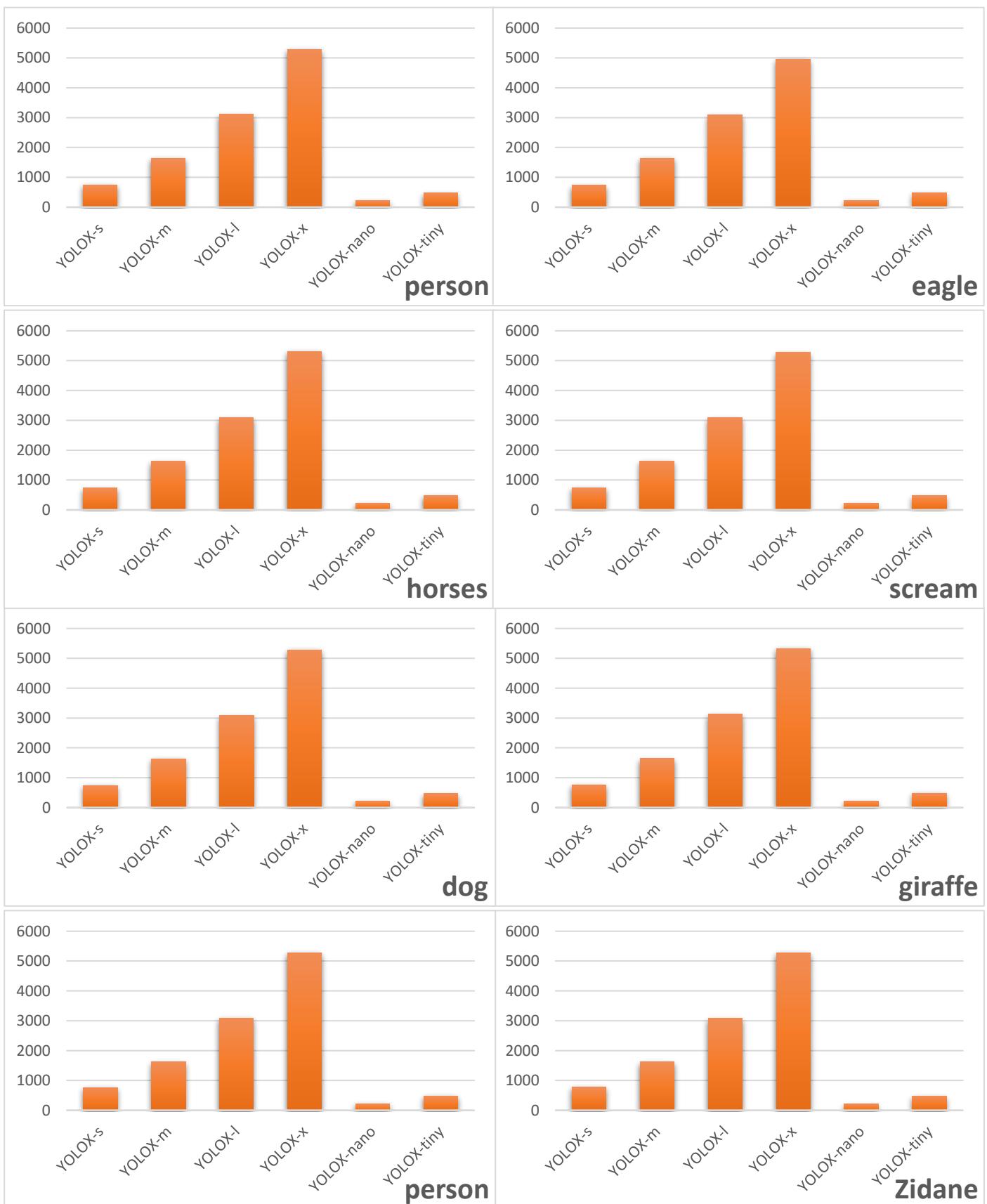
	Model	Size (MB)	Parameters (m)	FLOPS (G)
YOLOR	YOLOR-P6	142.7	37.265016 (665)	81.564040600
	YOLOR-W6	305.34	79.873400 (665)	
	YOLOR-CSP	202.38		
	YOLOR-CSP-X	381.18		
	YOLOR-CSP*	202.38		
	YOLOR-CSP-X*	381.18		
YOLOX	YOLOX-s	68.71	8.97	26.81
	YOLOX-m	193.66	25.33	73.76
	YOLOX-I	414.18	54.21	155.65
	YOLOX-x	756.63	99.07	281.93
	YOLOX-Nano	7.3	0.91	2.55
	YOLOX-Tiny	38.87	5.06	15.27
YOLOv5	YOLOv5s	14.11	7.266973 (224)	
	YOLOv5s6	24.57	12.653596 (291)	
	YOLOv5s-VOC	13.84	7.127628 (224)	
	YOLOv5m	41.1	21.356877 (308)	
	YOLOv5m6	69.04	35.889612 (396)	
	YOLOv5m-Argoverse	68.32	35.499040 (396)	
	YOLOv5l	90.18	47.025981 (392)	
	YOLOv5l6	148.04	77.218620 (501)	
	YOLOv5x	167.96	87.730285 (576)	
	YOLOv5x6	271.32	141.755500 (606)	
YOLOv4	YOLOv4	245.78	65.3631 (327)	
	YOLOv4-pacsp	202.13	52.9214 (342)	
	YOLOv4-pacsp-mish	202.13	52.9214 (342)	
	YOLOv4-pacsp-mish+BoF	202.13	52.9214 (342)	
	YOLOv4-pacsp-s	31.63	8.27062 (204)	
	YOLOv4-pacsp-s-mish	31.63	8.27062 (204)	
	YOLOv4-pacsp-s-mish+BoF	31.63	8.27062 (204)	
	YOLOv4-pacsp-x	380.89	99.7511 (408)	
	YOLOv4-pacsp-x-mish	380.89	99.7511 (408)	
	YOLOv4-pacsp-x-mish+BoF	380.89	99.7511 (408)	
	YOLOv4-p5	135.67	70.7943 (331)	
	YOLOv4-p6	244.11	127.53 (417)	
	YOLOv4-p6(+BoF)			
	YOLOv4-p7	549.53	287.475 (503)	
	YOLOv4-csp			
	YOLOv4-tiny			
EfficientDet	EfficientDet-D0			
	EfficientDet-D1			
	EfficientDet-D2			
	EfficientDet-D3			
	EfficientDet-D4			
	EfficientDet-D5			

	EfficientDet-D6			
	EfficientDet-D7			
	EfficientDet-D7x			
	EfficientDet-lite0			
	EfficientDet-lite1			
	EfficientDet-lite2			
	EfficientDet-lite3			
	EfficientDet-lite3x			
	EfficientDet-lite4			

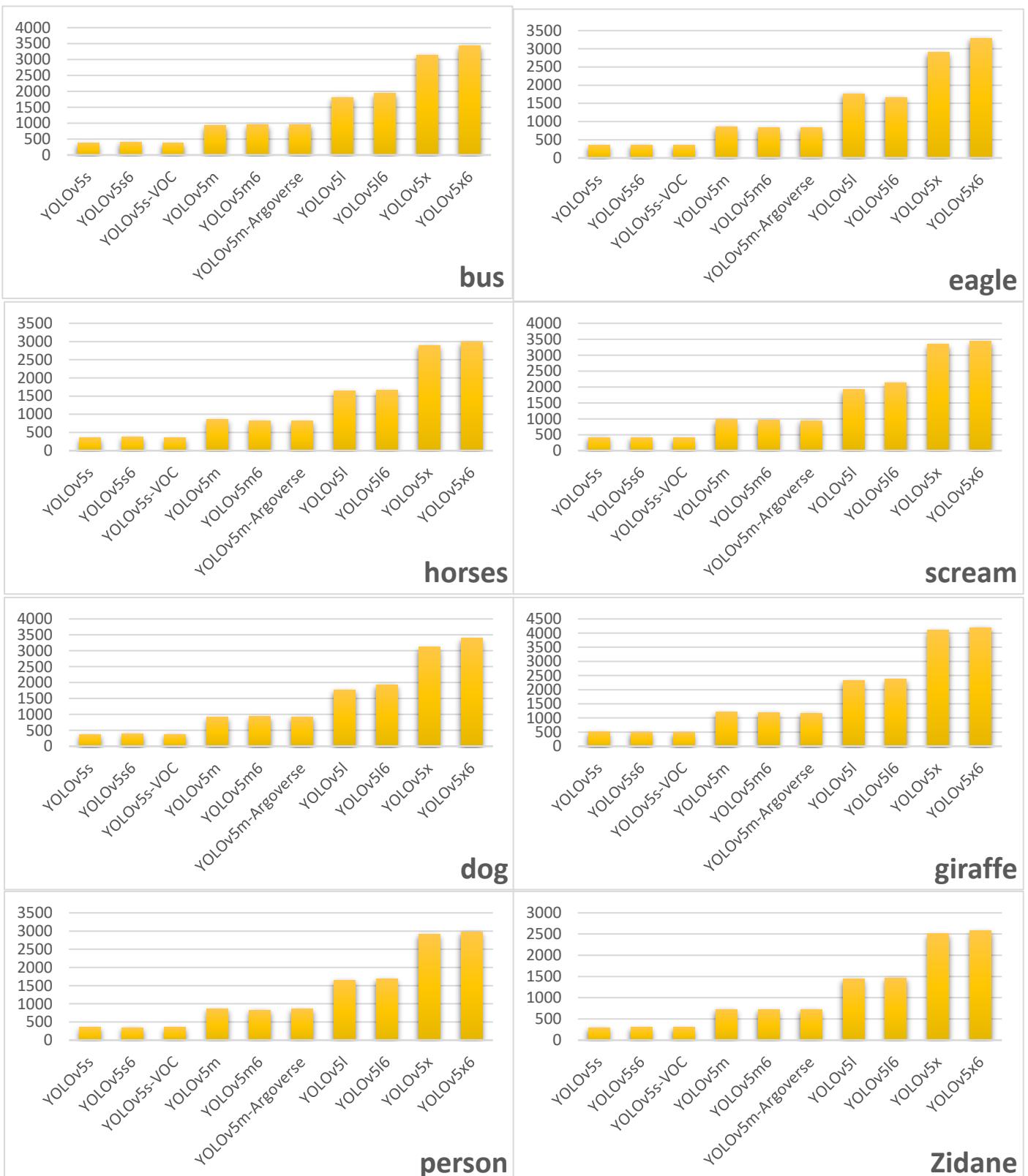
YOLOR	bus	eagle	horses	scream	dog	giraffe	person	Zidane
YOLOR-P6	1283.667	1092	1095.5	1349.333	1312	1605.5	1107.333	956.8333
YOLOR-W6	1712.667	1482.5	1492.833	1707.667	1698.5	2087.667	1532.167	1286.167
YOLOR-CSP	1936.667	1649.667	1652.167	1924.167	1904.167	2389.5	1647.167	1436.167
YOLOR-CSP-X	3225.667	2799.333	2801.333	3227.667	3190.167	4471.833	2807.667	2420.833
YOLOR-CSP*	1932.667	1647.833	1655.833	1960.833	1920.667	2386.5	1656.5	1428.5
YOLOR-CSP-X*	3234.333	2786	2887.5	3247.5	3207.667	3995.167	2805.667	2435.667



YOLOX	bus	eagle	horses	scream	dog	giraffe	person	Zidane
YOLOX-s	741.6833	730.6333	732.2167	740.3333	742.6667	763.3333	767.6	778.9667
YOLOX-m	1642.783	1639.2	1629.967	1628.333	1637.1	1644.183	1619.65	1622.933
YOLOX-I	3106.3	3091.567	3083.183	3083.4	3083.983	3129.35	3092.617	3075.3
YOLOX-x	5284.383	4959.614	5305.95	5275.567	5278.1	5332.617	5282.617	5278.433
YOLOX-nano	218.55	214.4167	215.3833	215.1167	215.9167	217.6833	216.1833	210.2
YOLOX-tiny	478.95	479.8833	470.6167	469.0333	467.3833	478.75	476.9667	471.1167



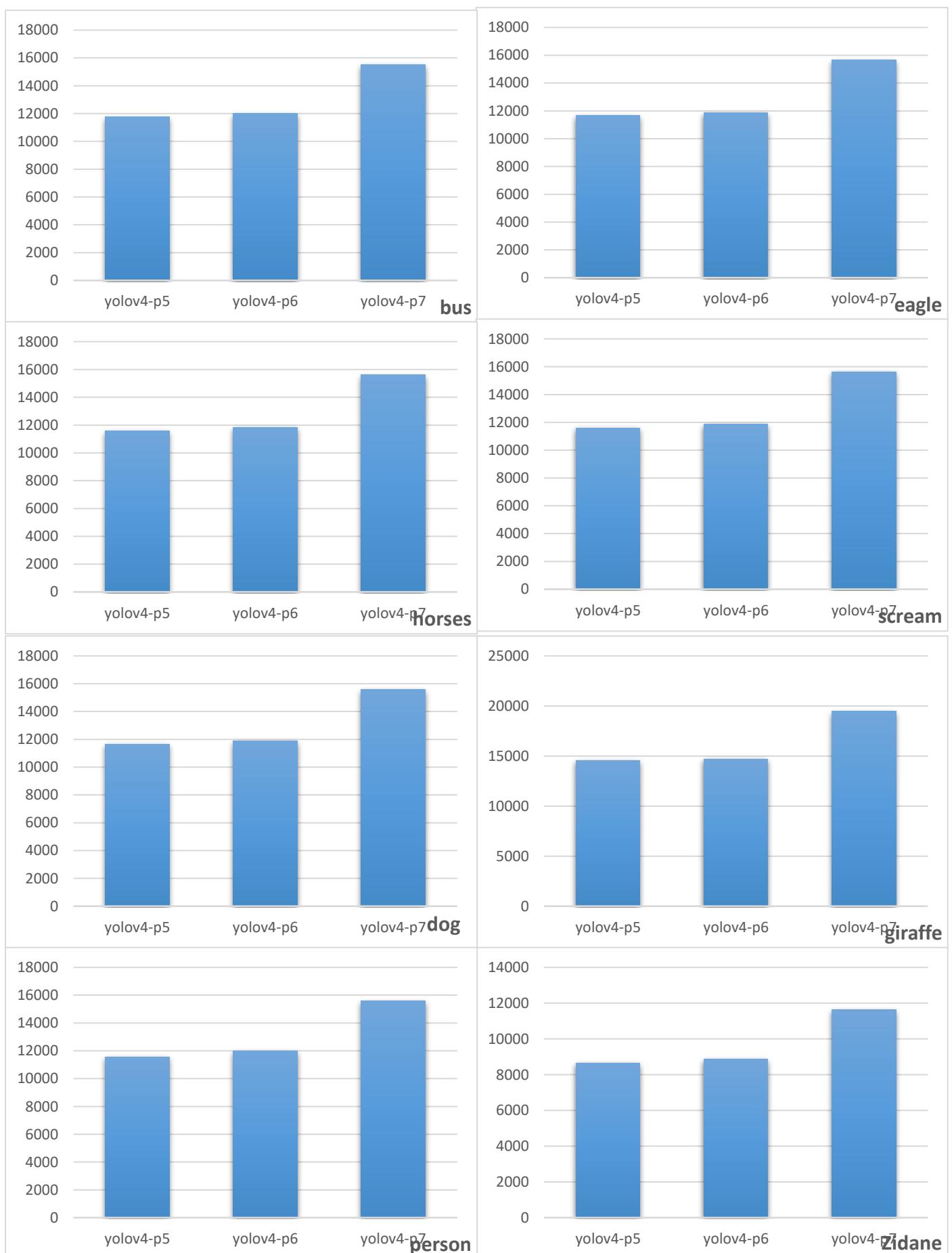
YOLOv5	bus	eagle	horses	scream	dog	giraffe	person	Zidane
YOLOv5s	375.3333	348.5	348.3333	413.8333	370.5	511.3333	347.3333	297.1667
YOLOv5s6	406.8333	359.1667	376.3333	410.3333	392.6667	496.1667	340	300.8333
YOLOv5s-VOC	376.6667	349.5	347.1667	402.1667	366.3333	486.5	353	298
YOLOv5m	917.8333	853.5	859.5	980.6667	907.5	1205.167	853.1667	727.6667
YOLOv5m6	952.8333	828.3333	824.8333	951.8333	937.8333	1186.833	827.8333	719.5
YOLOv5m-Argoverse	950.8333	824.1667	812.3333	943.5	924.6667	1164	859.1667	726.5
YOLOv5l	1803.333	1762.5	1642.833	1917.833	1770.5	2318.667	1652.667	1436
YOLOv5l6	1938.5	1660.667	1663	2131	1938.833	2366.167	1684.5	1468
YOLOv5x	3142.667	2902	2898.333	3339.167	3113.167	4106	2913.333	2503.5
sYOLOv5x6	3425.5	3284.667	2984.333	3432.167	3389.833	4187.667	2979.5	2572.833



YOLOv4	Bus	Eagle	Horses	Scream	Dog	Giraffe	Person	Zidane
yolov4	8920	7697.5	7753.5	8888.833	8895.333	11053.33	7872.5	6678.667
yolov4-pacsp	2030.5	1733	1700.5	2023.5	2003	2396.833	2193.833	1467.833
yolov4-pacsp-mish	7944.333	6903.333	6898.167	7922.667	8186.667	9803.333	6906	5894.833
yolov4-pacsp-mish+BoF	7864.667	6787.333	6836.5	7842.167	7812.333	9786.833	6772.833	5893.167
yolov4-pacsp-s	557.8333	495.6667	484.5	558	553	685	487.8333	417.6667
yolov4-pacsp-s-mish	3275.167	2857.167	2858.333	3272.333	3289.667	4046.333	2814.167	2434.333
yolov4-pacsp-s-mish+BoF	3292.5	2843.5	2844.333	3308.5	3263.833	4099.667	2840.833	2450.5
yolov4-pacsp-x	3737.833	3179.667	3193.167	3726.167	3710.333	4389	3220.5	2852
yolov4-pacsp-x-mish	12021.33	10459.67	10484.83	12059.5	11984.17	14944	10625	9099.833
yolov4-pacsp-x-mish+BoF	11816.5	10450.83	10550.33	11952.83	11890.17	14617.67	10283.67	9108

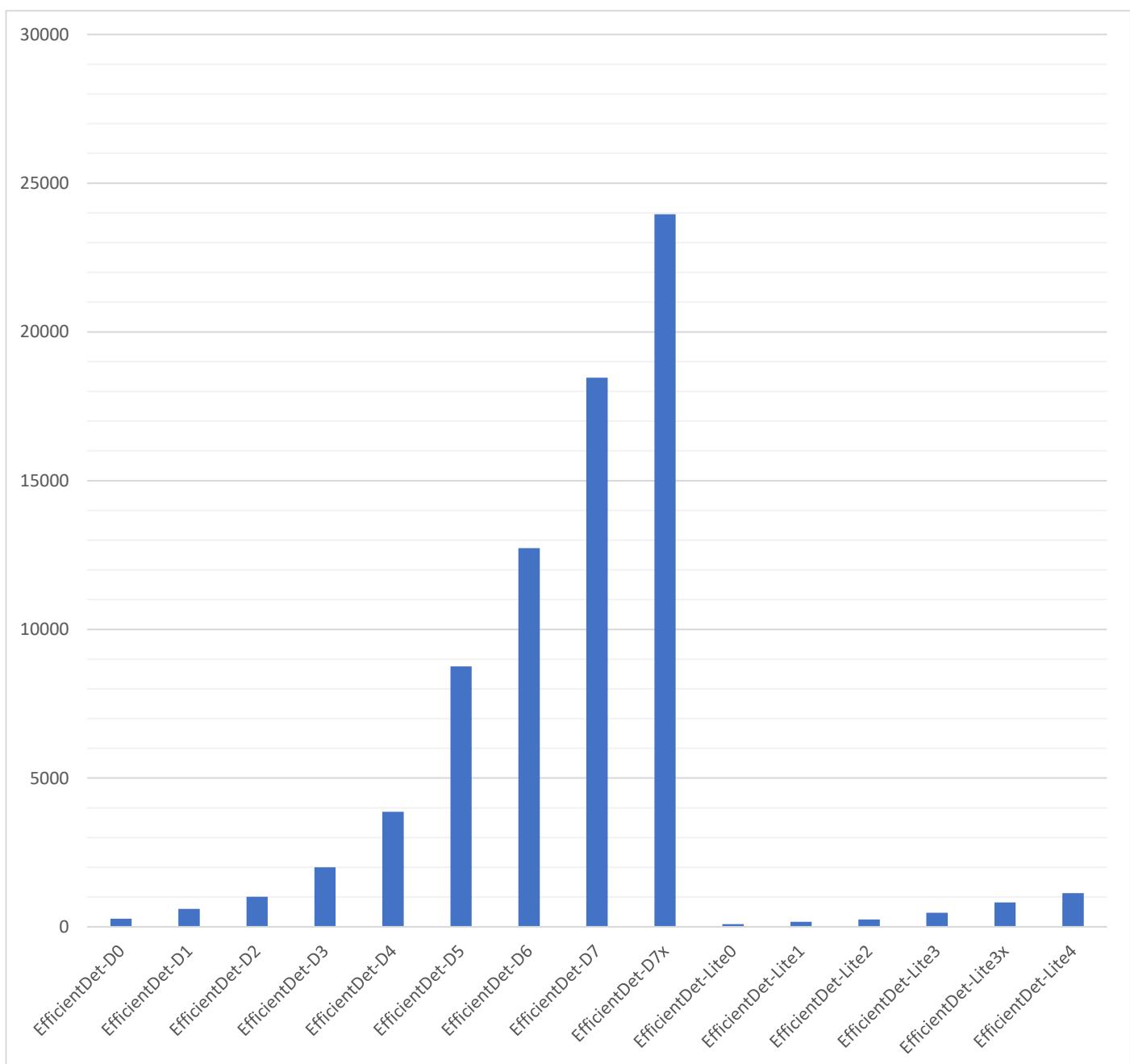


<i>SclaedYOLOv4</i>	bus	eagle	horses	scream	dog	giraffe	person	Zidane
yolov4-p5	11751.33	11656	11585.67	11594	11655.17	14562.5	11564.5	8647.333
yolov4-p6	11989.17	11852	11822.67	11871.33	11882.67	14703.17	11981.67	8870.333
yolov4-p7	15519.33	15668	15610.33	15645	15583.17	19452	15579.67	11620.33

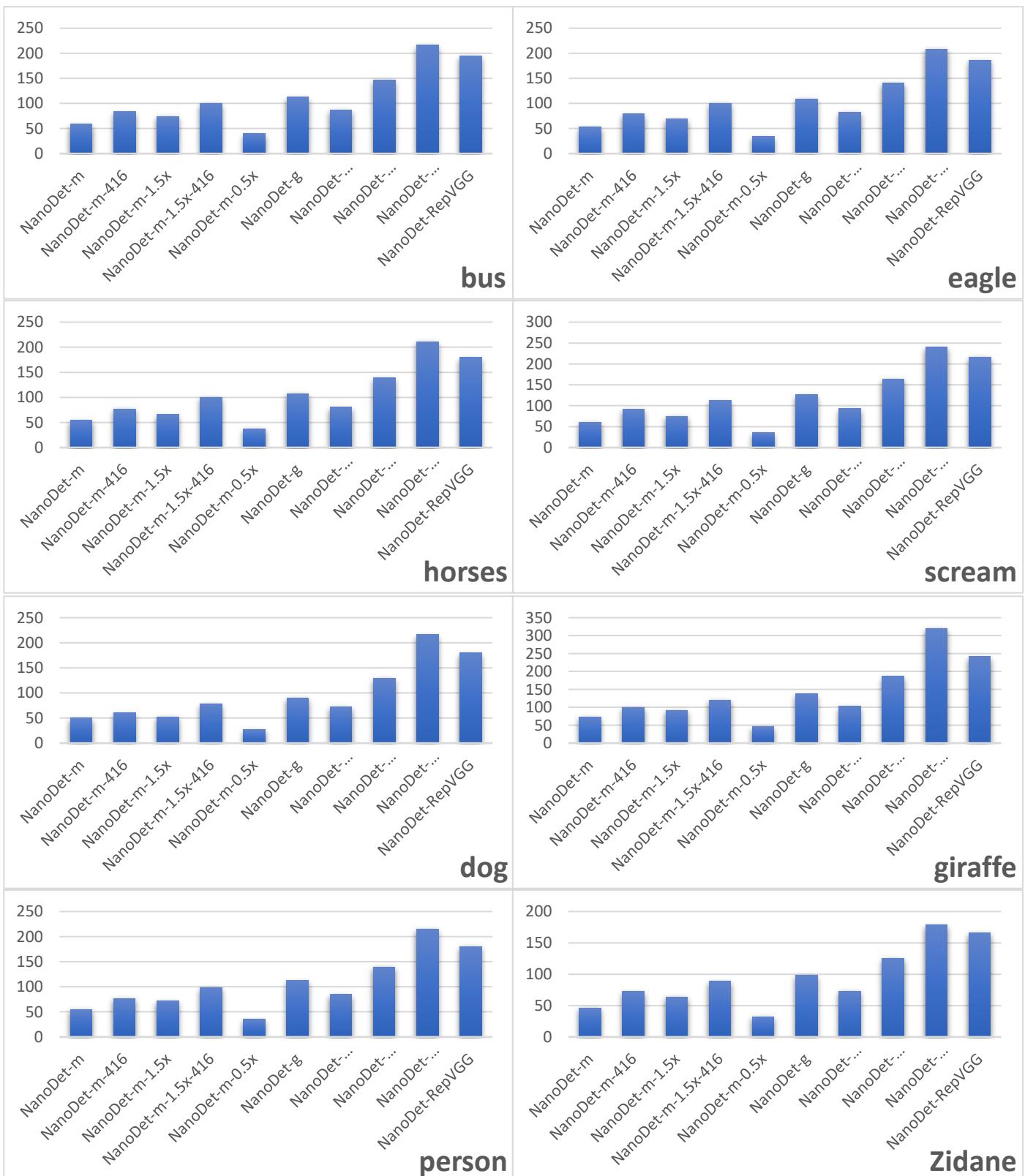


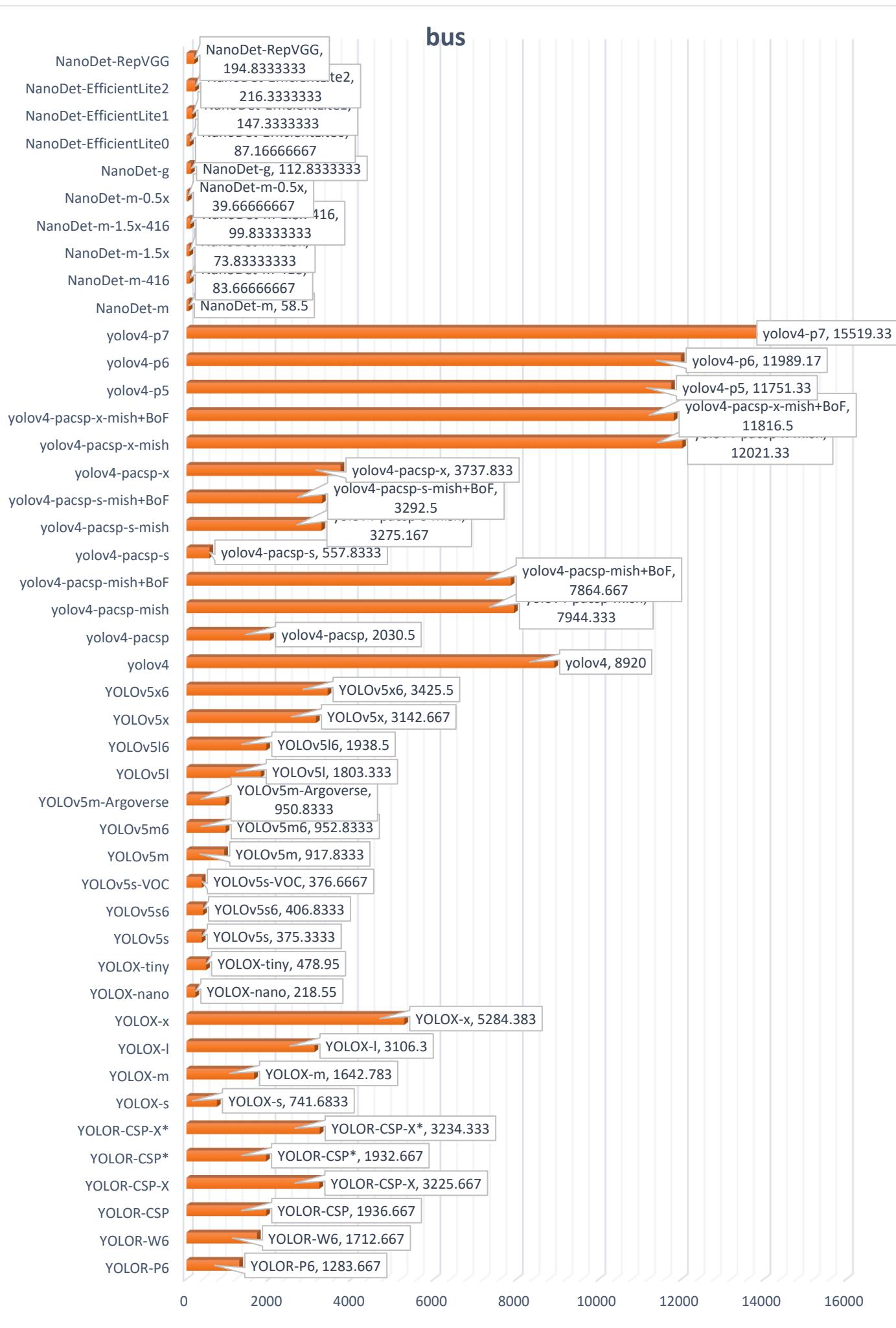
EfficientDet

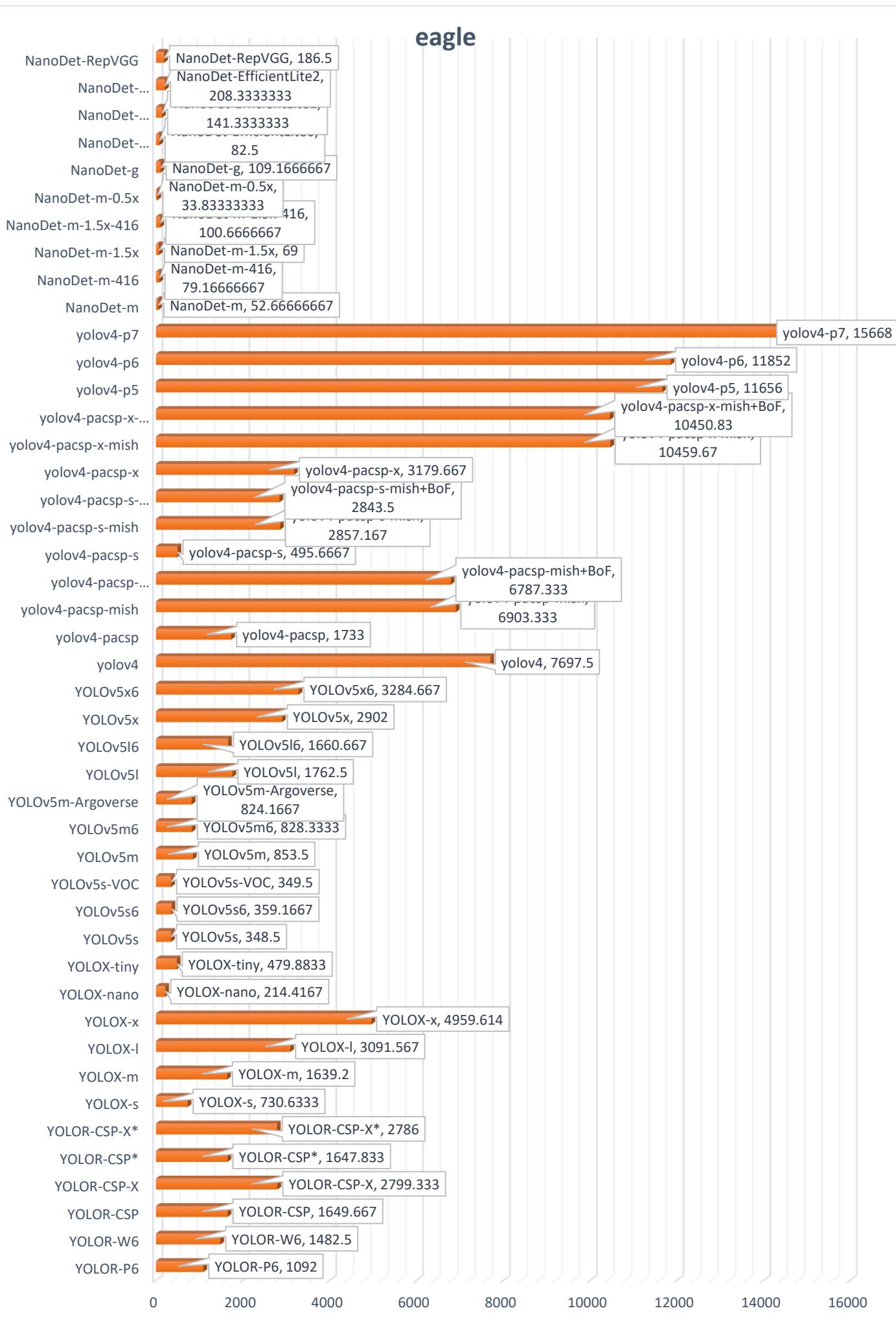
EfficientDet-D0	277.216993899998
EfficientDet-D1	604.0265766000005
EfficientDet-D2	1013.701122800006
EfficientDet-D3	2002.5440975999915
EfficientDet-D4	3869.0520705999916
EfficientDet-D5	8751.465176800002
EfficientDet-D6	12733.985439699996
EfficientDet-D7	18461.39941749998
EfficientDet-D7x	23957.349696999973
EfficientDet-Lite0	86.86628929999643
EfficientDet-Lite1	165.885525900012
EfficientDet-Lite2	243.6466535999898
EfficientDet-Lite3	471.54411740002616
EfficientDet-Lite3x	815.6000965000203
EfficientDet-Lite4	1128.1377876999614



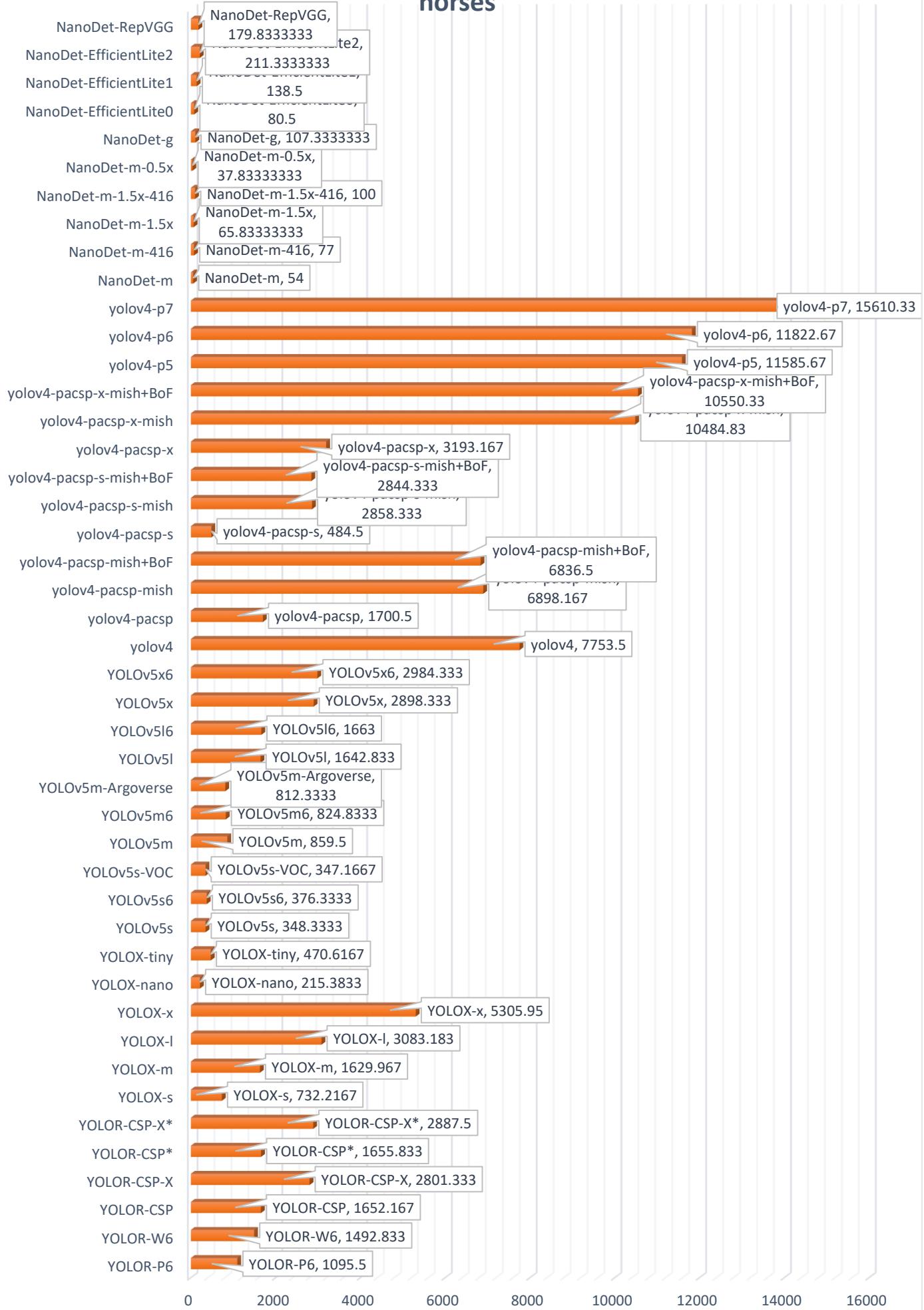
<i>NanoDet</i>	bus	eagle	horses	scream	dog	giraffe	person	Zidane
NanoDet-m	58.5	52.66666667	54	60.66666667	50.16666667	73.66666667	55	46.5
NanoDet-m-416	83.66666667	79.16666667	77	91.5	60.33333333	99.83333333	76.66666667	72.5
NanoDet-m-1.5x	73.83333333	69	65.83333333	74.83333333	52.33333333	91.66666667	71.83333333	63.66666667
NanoDet-m-1.5x-416	99.83333333	100.6666667	100	112.1666667	78.33333333	120.6666667	98.33333333	88.66666667
NanoDet-m-0.5x	39.66666667	33.83333333	37.83333333	35.83333333	26.83333333	45.5	34.83333333	32.5
NanoDet-g	112.83333333	109.1666667	107.33333333	126.1666667	90.33333333	137.1666667	112.33333333	98.5
NanoDet-EfficientLite0	87.16666667	82.5	80.5	93	72.33333333	102.6666667	84.83333333	72.83333333
NanoDet-EfficientLite1	147.33333333	141.33333333	138.5	164	129.33333333	186	139.1666667	125.5
NanoDet-EfficientLite2	216.33333333	208.33333333	211.33333333	240	216.33333333	320.6666667	215.1666667	178.83333333
NanoDet-RepVGG	194.83333333	186.5	179.83333333	216.6666667	179.5	241.5	180.33333333	165.5

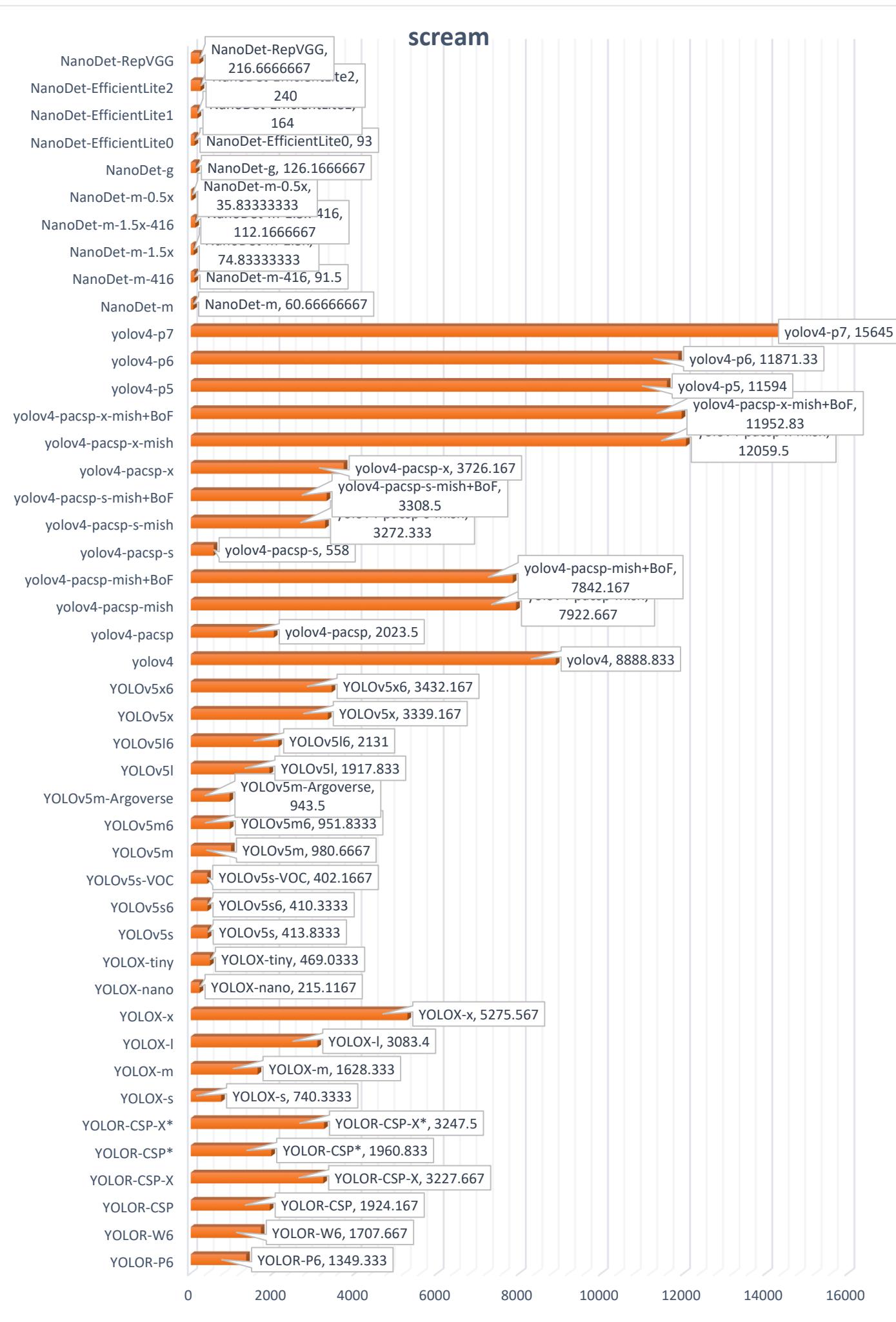




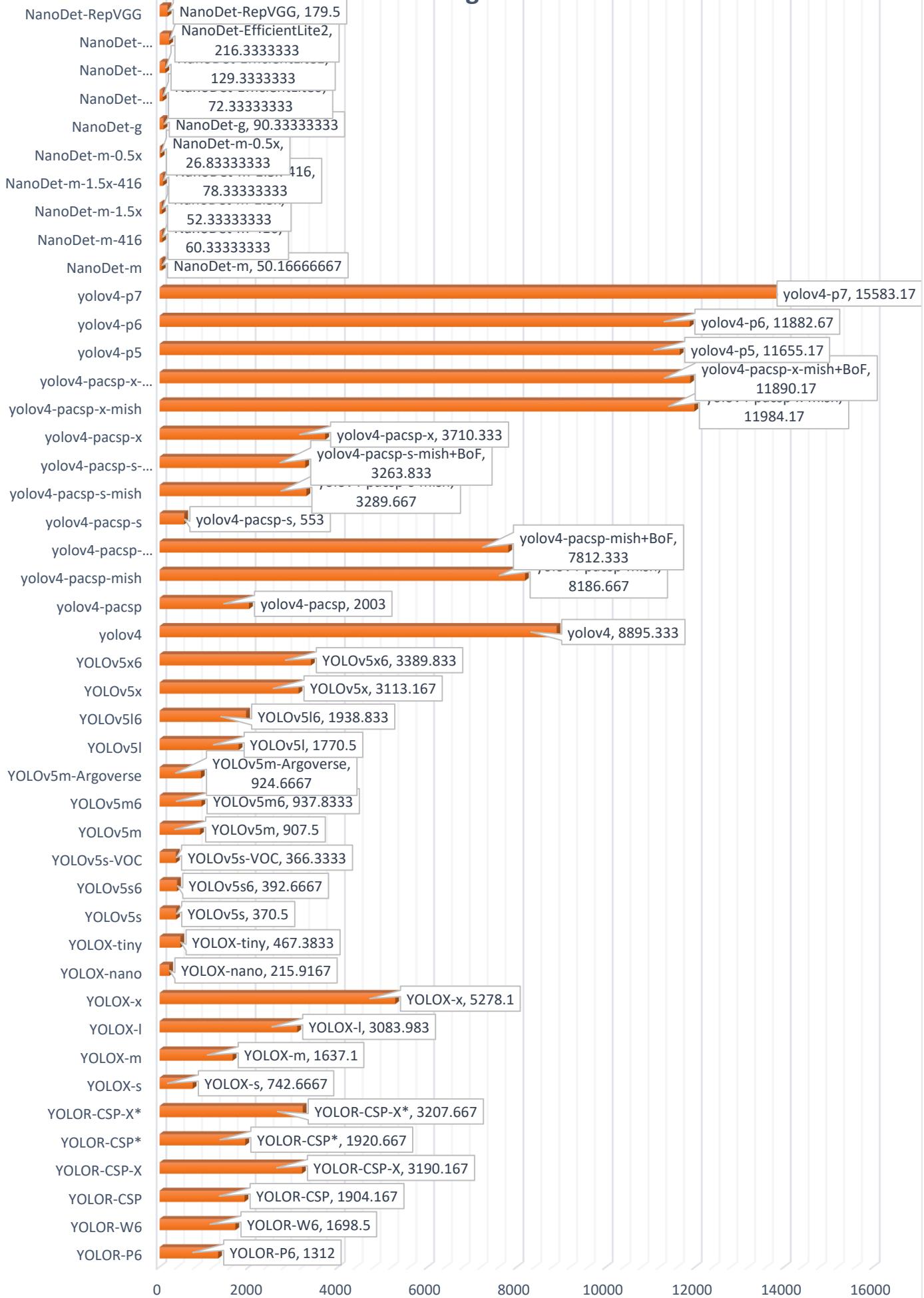


horses

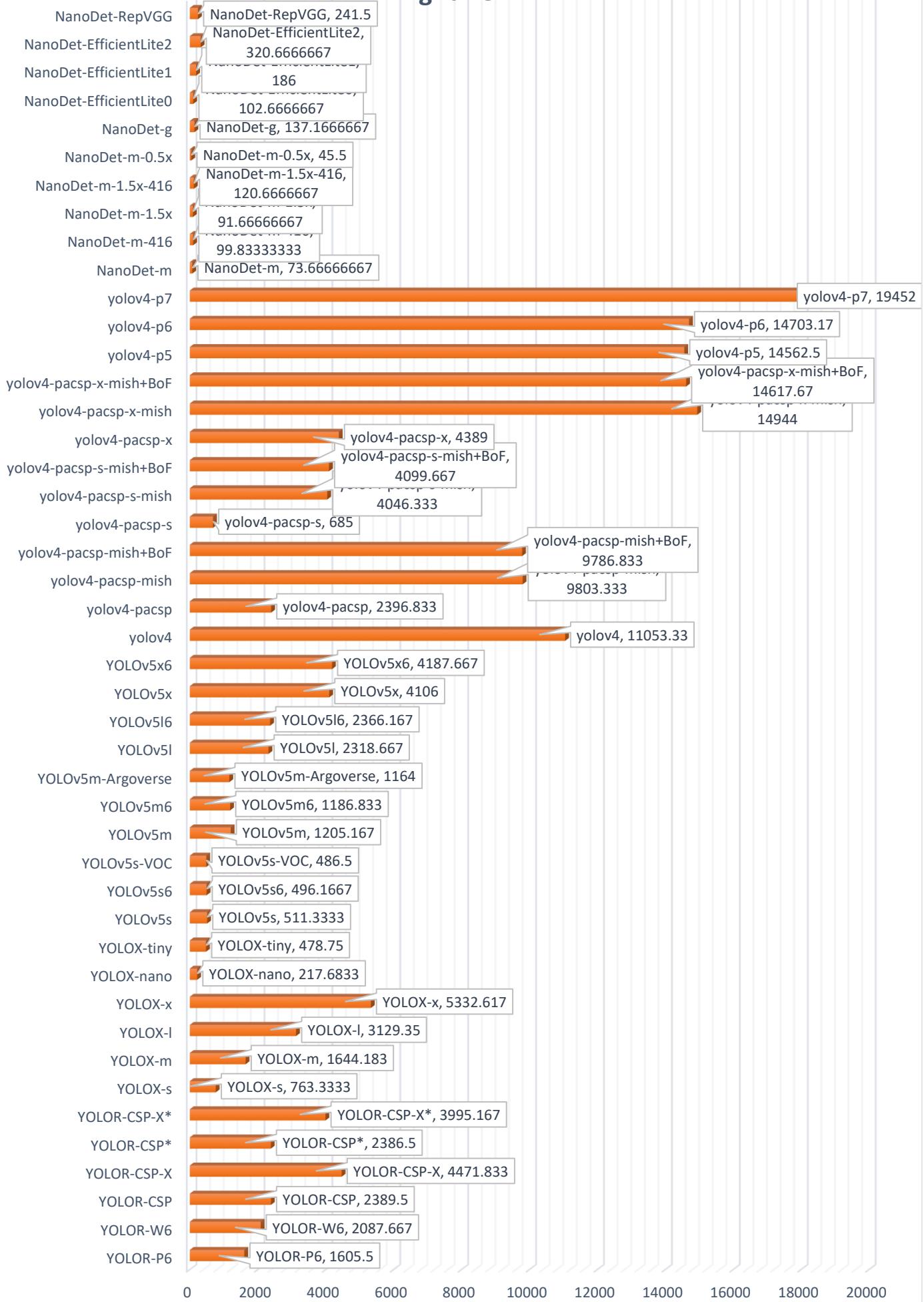




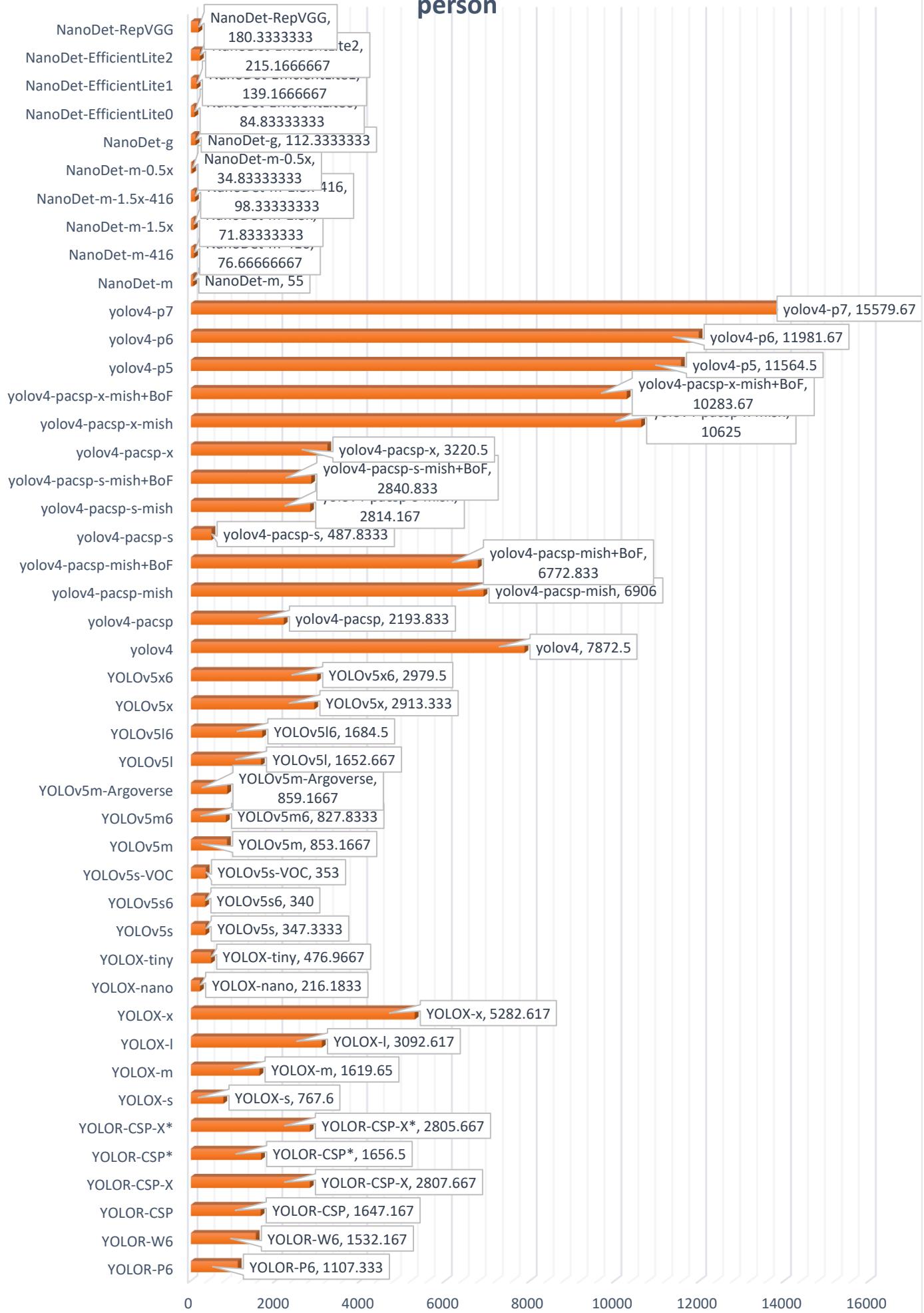
dog



giraffe



person



Zidane

