backbone	AP^{bbox}	AP$_{50}^{bbox}$	AP$_{75}^{bbox}$	AP^{mask}	AP$_{50}^{mask}$	AP$_{75}^{mask}$
BN*	37.7	57.9	40.9	32.8	54.3	34.7
GN	**38.8**	**59.2**	**42.2**	**33.6**	**55.9**	**35.4**

Table 4. **Detection and segmentation results in COCO**, using Mask R-CNN with **ResNet-50 C4**. BN* means BN is frozen.

backbone	box head	AP^{bbox}	AP$_{50}^{bbox}$	AP$_{75}^{bbox}$	AP^{mask}	AP$_{50}^{mask}$	AP$_{75}^{mask}$
BN*	-	38.6	59.5	41.9	34.2	56.2	36.1
BN*	GN	39.5	60.0	43.2	34.4	56.4	**36.3**
GN	GN	**40.0**	**61.0**	**43.3**	**34.8**	**57.3**	**36.3**

Table 5. **Detection and segmentation results in COCO**, using Mask R-CNN with **ResNet-50 FPN** and a 4conv1fc bounding box head. BN* means BN is frozen.