The Way Up: A Dataset for Hold Usage Detection in Sport Climbing

Supplementary Material

participant	orange route			green route		
	ViTP.	Yolov8 P.	MP	ViTP.	Yolov8 P.	MP
p01	88.9%	71.9%	**63.3%**	92.2%	81.9%	93.6%
p02a	**95.1%**	81.3%	92.9%	95.2%	84.8%	95.2%
p02b	88.1%	72.6%	92.5%	92.7%	84.8%	88.6%
p03	84.6%	81.0%	82.5%	**97.3%**	76.1%	**97.3%**
p04	81.8%	60.7%	80.4%	89.4%	**91.3%**	91.3%
p05	**64.7%**	**50.0%**	68.8%	83.3%	76.2%	80.5%
p06	74.5%	70.2%	77.1%	93.0%	81.6%	84.4%
p07	78.3%	72.2%	66.7%	**76.9%**	**68.2%**	90.4%
p08	83.8%	67.4%	85.3%	85.4%	86.0%	91.7%
p09	89.1%	**84.3%**	83.7%	93.2%	88.9%	**69.8%**
p10	93.3%	75.0%	**95.4%**	93.2%	69.0%	72.3%

Table S1. Accuracy of different pose estimation models for each participant on the orange and green route. ViTPose L is abbreviated as ViTP., YOLOv8-pose X as Yolov8 P., and MediaPipe H as MP. The bold red values mark the worst accuracy for a model, and the bold green values mark the best accuracy for a model for a route.