

	$60(72) \text{ GeV} < m_{qq} < 100(90) \text{ GeV}$	$30 \text{ GeV} < m_{qq} < 60(72) \text{ GeV}$ or $100(90) \text{ GeV} < m_{qq} < 250 \text{ GeV}$
2 b tags	<i>training region (TR)</i>	<i>validation region (VR-TR)</i>
≥ 4 loose b tags	QCD events for ANN training	input variable validation
3 b tags	<i>evaluation region (ER)</i>	<i>validation region (VR-ER)</i>
≥ 4 loose b tags	discriminant shape for QCD	discriminant shape for QCD
≥ 4 b tags	<i>signal region (SR)</i>	<i>validation region (VR-SR)</i>
	analysis region	comparison of QCD shape with data