

Region	Main background process	Additional AK4 b tag	Leptons	Double-b tag
Signal	$Z+\text{jets}, t\bar{t}, W+\text{jets}$	0	0	pass
Single-lepton	$W+\text{jets}, t\bar{t}$	0	1	pass/fail
Single-lepton, b-tagged	$t\bar{t}, W+\text{jets}$	1	1	pass/fail
Dilepton	$Z+\text{jets}$	0	2	pass/fail