analysis region	purpose	b-tagging selection	M_R category
$0\mu bb$	signal serach region	≥ 2 CSV tight jets	
$0\mu b$		$= 1$ CSV tight jet	
$1\mu b$	$t\bar{t}$ control region	≥ 1 CSV tight jets	$M_R > 200\,\text{GeV}$
$2\mu b$	$t\bar{t}$ control region		
$Z(\mu\mu)b$	$Z(\ell\ell)$ control region	≥ 1 CSV loose jets	