

Event category	VBF	AK8 jet <sub>1 or 2</sub> tag	AK8 jet <sub>2 or 1</sub> tag
VBF VH HPHP	pass	(5% $q\bar{q}$ or 2% $b\bar{b}$ )	2% $b\bar{b}$
VBF VV HPHP	pass	5% $q\bar{q}$	5% $q\bar{q}$
VBF VH LPHP	pass	(20% $q\bar{q}$ or 10% $b\bar{b}$ )	2% $b\bar{b}$
VBF VH HPLP	pass	5% $q\bar{q}$	10% $b\bar{b}$
VBF VV HPLP	pass	5% $q\bar{q}$	20% $q\bar{q}$
DY/ggF VH HPHP	fail	(5% $q\bar{q}$ or 2% $b\bar{b}$ )	2% $b\bar{b}$
DY/ggF VV HPHP	fail	5% $q\bar{q}$	5% $q\bar{q}$
DY/ggF VH LPHP	fail	(20% $q\bar{q}$ or 10% $b\bar{b}$ )	2% $b\bar{b}$
DY/ggF VH HPLP	fail	5% $q\bar{q}$	10% $b\bar{b}$
DY/ggF VV HPLP	fail	5% $q\bar{q}$	20% $q\bar{q}$