

	$\overline{HH} \rightarrow \gamma\gamma b\overline{b}$	$\overline{HH} \rightarrow \tau\tau b\overline{b}$	$\overline{HH} \rightarrow b\overline{b} b\overline{b}$	\overline{HH} (leptons)	$\overline{HH} \rightarrow W\overline{W} b\overline{b}$	$\overline{HH} \rightarrow b\overline{b} b\overline{b}$ (VHH)
$H \rightarrow 4l$	✓	✓	✓	✓	✓	✓
$H \rightarrow \gamma\gamma$	✗	✓	✓	✓	✓	✓
$H \rightarrow WW$	✓	✓	✓	✗	✗	✓
$t\overline{t}H$ (leptons)	✓	✗	✓	✓	✗	✓
$H \rightarrow b\overline{b}$ (ggF H, VH, $t\overline{t}H$)	✓	✗	✗	✓	✗	✗
$H \rightarrow \tau\tau$	✓	✗	✓	✓	✓	✓
$H \rightarrow \mu\mu$	✓	✓	✓	✓	✓	✓
$\overline{HH} \rightarrow b\overline{b} b\overline{b}$ (VHH)	✓	✓	✗	✓	✓	