

Model family	Production and decay	Additional assumptions
<b>Production and prompt decay of squark pairs</b>		
T2bb	$pp \rightarrow \tilde{b}_1 \tilde{b}_1, \tilde{b}_1 \rightarrow b \tilde{\chi}_1^0$	—
T2tt	$pp \rightarrow \tilde{t}_1 \tilde{t}_1, \tilde{t}_1 \rightarrow t \tilde{\chi}_1^0$	—
T2cc	$pp \rightarrow \tilde{t}_1 \tilde{t}_1, \tilde{t}_1 \rightarrow c \tilde{\chi}_1^0$	$10 < m_{\tilde{t}_1} - m_{\tilde{\chi}_1^0} < 80 \text{ GeV}$
T2qq_8fold	$pp \rightarrow \tilde{q} \tilde{q}, \tilde{q} \rightarrow q \tilde{\chi}_1^0$	$m_{\tilde{q}_L} = m_{\tilde{q}_R}, \tilde{q} = \{\tilde{u}, \tilde{d}, \tilde{s}, \tilde{c}\}$
T2qq_1fold	$pp \rightarrow \tilde{q} \tilde{q}, \tilde{q} \rightarrow q \tilde{\chi}_1^0$	$m_{\tilde{q}(\tilde{q} \neq \tilde{u}_L)} \gg m_{\tilde{u}_L}$
<b>Production and prompt decay of gluino pairs</b>		
T1bbbb	$pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow \tilde{b} \tilde{b}_1^* \rightarrow \tilde{b} b \tilde{\chi}_1^0$	$m_{\tilde{b}_1} \gg m_{\tilde{g}}$
T1tttt	$pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow \tilde{t} \tilde{t}_1^* \rightarrow \tilde{t} t \tilde{\chi}_1^0$	$m_{\tilde{t}_1} \gg m_{\tilde{g}}$
T1qqqq	$pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow \tilde{q} \tilde{q}^* \rightarrow \tilde{q} q \tilde{\chi}_1^0$	$m_{\tilde{q}} \gg m_{\tilde{g}}$
<b>Production and decay of long-lived gluino pairs</b>		
T1qqqqLL	$pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow \tilde{q} \tilde{q}^* \rightarrow \tilde{q} q \tilde{\chi}_1^0$	$m_{\tilde{q}} \gg m_{\tilde{g}}, 10^{-3} < c\tau_0 < 10^5 \text{ mm or metastable}$