

Decay channel	Studied mode
$B^+ \rightarrow D^{*+} D^- K^+$	$B^+ \rightarrow D_{K\pi}^{*+} D^- K^+$
	$B^+ \rightarrow D_{K3\pi}^{*+} D^- K^+$
$B^+ \rightarrow D^{*-} D^+ K^+$	$B^+ \rightarrow D_{K\pi}^{*-} D^+ K^+$
	$B^+ \rightarrow D_{K3\pi}^{*-} D^+ K^+$
$B^0 \rightarrow D^{*-} D^0 K^+$	$B^0 \rightarrow D_{K\pi}^{*-} D_{K\pi}^0 K^+$
	$B^0 \rightarrow D_{K3\pi}^{*-} D_{K\pi}^0 K^+$
	$B^0 \rightarrow D_{K\pi}^{*-} D_{K3\pi}^0 K^+$
$B^+ \rightarrow \bar{D}^0 D^0 K^+$	$B^+ \rightarrow \bar{D}_{K3\pi}^0 D_{K\pi}^0 K^+$
	$B^+ \rightarrow \bar{D}_{K\pi}^0 D_{K3\pi}^0 K^+$
$B^0 \rightarrow D^- D^0 K^+$	$B^0 \rightarrow D^- D_{K\pi}^0 K^+$
	$B^0 \rightarrow D^- D_{K3\pi}^0 K^+$