Reconstructed event	Decay products of the t$\bar{\text{t}}$ system				
	bq$\bar{\text{q}}$ $\bar{\text{b}}$q$\bar{\text{q}}$	b$\ell\nu$ $\bar{\text{b}}$q$\bar{\text{q}}$	b$\ell\nu$ $\bar{\text{b}}\ell\nu$	ℓ_{b}q$\bar{\text{q}}$ $\bar{\text{b}}\ell\nu$	$\ell_{\text{b}}\ell\nu$ $\bar{\text{b}}\ell\nu$
OS dilepton t$\bar{\text{t}}$Z	X				
SS dilepton t$\bar{\text{t}}$W		X			
3ℓ t$\bar{\text{t}}$Z		X			
3ℓ t$\bar{\text{t}}$W			X		
OS dilepton t$\bar{\text{t}}$			X		
SS dilepton t$\bar{\text{t}}$				X	
3ℓ t$\bar{\text{t}}$					X
Input variables					
Jet CSV (b tag) discriminator					
b jet CSV	X	X	X	X	X
Higher jet CSV from W $\to$ q$\bar{\text{q}}$	X	X		X	
Lower jet CSV from W $\to$ q$\bar{\text{q}}$	X	X		X	
Jet charge					
Charge of b jet from t	X		X		
Charge of b jet from $\bar{\text{t}}$	X		X		
Charge of b jet from t $\to$ b$\ell\nu$		X			
Charge of b jet from t $\to$ bq$\bar{\text{q}}$		X			
Charge of b jet not decaying to a lepton				X	X
Sum of charges of jets from W $\to$ q$\bar{\text{q}}$	X	X		X	
Invariant mass					
Mass of lepton and b jet from t			X		
Mass of lepton and b jet from $\bar{\text{t}}$			X		
Mass of lepton and b jet from t $\to$ b$\ell\nu$		X		X	X
Mass of leptons from t $\to \ell_{\text{b}}\ell\nu$					X
M_{T} of $\vec{p}_{\text{T}}^{\text{miss}}$ and $\vec{p}_{\text{T}}$ of lepton and b jet from t		X		X	
Mass of two jets from W $\to$ q$\bar{\text{q}}$	X	X		X	
Mass of b jet and quark jets from t $\to$ bq$\bar{\text{q}}$	X	X			
Mass of lepton from b and jets from t $\to \ell_{\text{b}}$q$\bar{\text{q}}$				X	
Ratio of M_{T} to mass for jets from t or W	X	X	X		