

Model	Up-type Quarks	Down-type Quarks	Charged Leptons
Type-I	$\bar{\Phi}_2$	$\bar{\Phi}_2$	$\bar{\Phi}_2$
Type-II	$\bar{\Phi}_2$	$\bar{\Phi}_1$	$\bar{\Phi}_1$
Lepton-specific(Type- $\mathcal{X}$ )	$\bar{\Phi}_2$	$\bar{\Phi}_2$	$\bar{\Phi}_1$
Flipped(Type- $\mathcal{Y}$ )	$\bar{\Phi}_2$	$\bar{\Phi}_1$	$\bar{\Phi}_2$