$$\mathbf{1_{D}} \bigotimes_{\mathbf{D}} F(X) \xrightarrow{\mathrm{iso}} \bigotimes_{\mathbf{D}} \mathrm{Id}_{F(X)} F(\mathbf{1_{C}}) \bigotimes_{\mathbf{D}} F(X) \qquad F(X) \bigotimes_{\mathbf{D}} \mathbf{1_{D}} \xrightarrow{\mathrm{Id}_{F(X)}} \bigotimes_{\mathbf{D}} \mathrm{iso} F(X) \bigotimes_{\mathbf{D}} F(\mathbf{1_{C}})$$

$$\downarrow u_{\mathbf{D}} \downarrow \qquad \qquad \downarrow u_{\mathbf{1_{C}},X} \qquad \mathrm{ru}_{\mathbf{D}} \downarrow \qquad \downarrow u_{X,\mathbf{1_{C}}} \qquad \downarrow u_{X,\mathbf{1_{C}}} \qquad \downarrow u_{X,\mathbf{1_{C}}} \qquad \qquad \downarrow u_{X,\mathbf{1_{C}}} \qquad \downarrow u_{X,\mathbf{1_{C}}}$$