$$\mathbf{U}_{f} \times (\mathbf{X}_{f} * \mathbf{X}_{g} * \mathbf{X}_{h}) \xrightarrow{\operatorname{dyn}_{(f \circ g) \circ h}} (\mathbf{X}_{f} * \mathbf{X}_{g} * \mathbf{X}_{h})$$

$$id_{\mathbf{U}_{f}} \times (\operatorname{coh}_{(f \circ g) \circ h} \times \operatorname{id}_{(\mathbf{X}_{h})}) \uparrow \qquad \qquad \uparrow \operatorname{coh}_{(f \circ g) \circ h}$$

$$\mathbf{U}_{f} \times ((\mathbf{X}_{f} * \mathbf{X}_{g}) \times (\mathbf{X}_{h})) \xrightarrow{\operatorname{dyn}'_{(f \circ g) \circ h}} (\mathbf{X}_{f} * \mathbf{X}_{g}) \times (\mathbf{X}_{h})$$

$$id_{\mathbf{U}_{f}} \times (\operatorname{coh}_{f \circ g} \times \operatorname{id}_{(\mathbf{X}_{h})}) \uparrow \qquad \qquad \uparrow \operatorname{coh}_{f \circ g} \times \operatorname{id}_{(\mathbf{X}_{h})}$$

$$\mathbf{U}_{f} \times (((\mathbf{X}_{f}) \times (\mathbf{X}_{g})) \times (\mathbf{X}_{h})) \xrightarrow{\operatorname{dyn}'_{(f \circ g) \circ h}} ((\mathbf{X}_{f}) \times (\mathbf{X}_{g})) \times (\mathbf{X}_{h})$$