$$\begin{array}{c} \mathbf{U}_{f} \times (\mathbf{X}_{f} * \mathbf{X}_{g} * \mathbf{X}_{h}) & \xrightarrow{\operatorname{dyn}_{\left(f_{\S}^{\S}(g\S^{h})\right)}} & (\mathbf{X}_{f} * \mathbf{X}_{g} * \mathbf{X}_{h}) \\ \operatorname{id}_{\mathbf{U}_{f}} \times (\operatorname{coh}_{\left(f_{\S}^{\S}g\right)\S^{h}} \times \operatorname{id}_{(\mathbf{X}_{h})}) & & \operatorname{coh}_{\left(f_{\S}^{\S}g\right)\S^{h}} \\ \mathbf{U}_{f} \times ((\mathbf{X}_{f} * \mathbf{X}_{g}) \times (\mathbf{X}_{h})) & & (\mathbf{X}_{f} * \mathbf{X}_{g}) \times (\mathbf{X}_{h}) \\ \operatorname{id}_{\mathbf{U}_{f}} \times (\operatorname{coh}_{f\S^{g}g} \times \operatorname{id}_{(\mathbf{X}_{h})}) & & & \operatorname{coh}_{f\S^{g}g} \times \operatorname{id}_{(\mathbf{X}_{h})} \\ \mathbf{U}_{f} \times (((\mathbf{X}_{f}) \times (\mathbf{X}_{g})) \times (\mathbf{X}_{h})) & & & \operatorname{dyn}_{\left(f\S^{g}g\right)\S^{h}} \\ & & & & & & \operatorname{coh}_{f\S^{g}g} \times \operatorname{id}_{(\mathbf{X}_{h})} \end{array}$$