**Masked Layer Creation Feature Documentation**

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**Overview:** This feature allows users to create a new masked layer by combining two existing layers. The resulting masked layer displays the strand of the first selected layer (X), but only in the area where it intersects with the strand of the second selected layer (Y).

**Activation:**

* Press and hold the Ctrl key to enter the masked layer creation mode.

**Visual Feedback:**

1. **On Ctrl Press:**
   * All layer buttons in the layer panel turn gray.
2. **First Layer Selection (X):**
   * The selected layer's button turns to a darker shade of its original color.
   * All other layers remain gray.
3. **Second Layer Selection (Y):**
   * The second selected layer's button also turns to a darker shade of its original color.
4. **On Ctrl Release:**
   * Non-selected layers return to their original colors.
   * The two selected layers (X and Y) remain in darker shades.
   * A brief notification confirms the creation of the new masked layer.

**Creation Process:**

1. Hold Ctrl and click on the first layer (X) - this strand will be displayed in the intersection area.
2. While still holding Ctrl, click on the second layer (Y) - this strand defines the intersection area with the X layer (X⋂Y).
3. Release Ctrl to finalize the creation.

**Resulting Masked Layer (X\_Y):**

* **Name:** The new layer is named X\_Y, where X is the displayed strand and Y defines the intersection area.
* **Appearance:**
  + Fill color matches X's original color.
  + Stroke (border) color matches Y's original color.
* **Behavior:** Shows the strand of X, but only in the area where the strands of X and Y intersect (X⋂Y).

**Layer Panel Representation:**

* A new button for X\_Y appears in the layer panel.
* The button's main color matches X's original color.
* The button's border color matches Y's original color.

**Dynamic Updates:**

* The X\_Y layer updates automatically when either X or Y is modified.

**Restrictions:**

* **Duplicate Prevention:** The system does not allow creating X\_Y if it already exists.

**Interaction:**

* The X\_Y layer can be selected, moved, or modified like other layers.
* Modifying X or Y will automatically update X\_Y.

**Exiting the Mode:**

* Releasing Ctrl without selecting two layers, or after selecting only one layer, returns all buttons to their original colors and exits the mode.

**Use Cases:**

1. Displaying a portion of one strand (X) that overlaps with another strand (Y).
2. Creating complex strand shapes by showing one strand only where it intersects with another.
3. Visualizing specific overlapping areas between different strands.