

# Intersect Annotations Element

Intersects two sets of annotations denoted as A and B.

## Parameters in GUI

| Parameter                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                              | Default value                     |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>Result annotations</b> | Select one of the following: <ul style="list-style-type: none"><li>• Shared interval to report intervals shared between overlapped annotations from set A and set B.</li><li>• Overlapped annotations from A to report annotations from set A that have an overlap with annotations from set B.</li><li>• Non-overlapped annotations from A to report annotations from set A that have NO overlap with annotations from set B.</li></ul> | Overlapped annotations from set A |
| <b>Unique overlaps</b>    | If the parameter value is "True", write original A entry once if any overlaps found in B. In other words, just report the fact at least one overlap was found in B.<br>The minimum overlap number is ignored in this case.<br><br>If the parameter value is "False", the A annotation is reported for every overlap found.                                                                                                               | True                              |
| <b>Minimum overlap</b>    | Minimum overlap required as a fraction of an annotation from set A.<br>By default, even 1 bp overlap between annotations from set A and set B is taken into account. Yet sometimes you may want to restrict reported overlaps to cases where the annotations in B overlaps at least X% (e.g. 50%) of the A annotation.<br>This parameter is only available if the parameter "Unique overlaps" is "False".                                | 0.0000001%                        |

## Parameters in Workflow File

**Type:** intersect-annotations

| Parameter       | Parameter in the GUI | Type           |
|-----------------|----------------------|----------------|
| report          | Result annotations   | <i>numeric</i> |
| unique          | Unique overlaps      | boolean        |
| minimum-overlap | Minimum overlap      | <i>numeric</i> |

The element has 2 *input ports*:

**Name in GUI:** Annotations A

**Name in Workflow File:** input-annotations-a

**Slots:**

| Slot In GUI   | Slot in Workflow File | Type                    |
|---------------|-----------------------|-------------------------|
| Annotations A | annotations           | <i>annotation-table</i> |

**Name in GUI:** Annotations B

**Name in Workflow File:** input-annotations-b

**Slots:**

| Slot In GUI   | Slot in Workflow File | Type                    |
|---------------|-----------------------|-------------------------|
| Annotations B | annotations           | <i>annotation-table</i> |

And 1 *output port*:

**Name in GUI:** Annotations

**Name in Workflow File:** output-intersect-annotations

**Slots:**

| Slot In GUI | Slot in Workflow File | Type                    |
|-------------|-----------------------|-------------------------|
| Annotations | annotations           | <i>annotation-table</i> |