Overview of the LASAGNA-ChIP algorithm

ChIP-seq peak sequences

Clip to 100 bp around signal peak

Clipped peak sequences

Seed sites
- Shortest site
- Arbitrary site 1
- Arbitrary site 2
- Arbitrary site 3
- Arbitrary site 4
- Arbitrary site 5

LASAGNA with trimming

PSSM

Initial Alignments
- Alignment 0
- Alignment 1
- Alignment 2
- Alignment 3
- Alignment 4
- Alignment 5

Refined Alignments
- Alignment 0
- Alignment 1
- Alignment 2
- Alignment 3
- Alignment 4
- Alignment 5

Refinement Process

Alignment with the highest IC