

1 **ModPipe XML file** (*initial homology models*)

2 **create_model()**

3 **equilibrate_model()**

minimize()

equilibrate()

call_stride()

4

define_loops()

5

6 **create_loop_models()**

7.1

MD_1^{loop}

MD_2^{loop}

...

MD_{n-1}^{loop}

MD_n^{loop}

7.n

8 **combine_loop_models()**

9 **make_refined_model()**

10 **Refined homology models**

