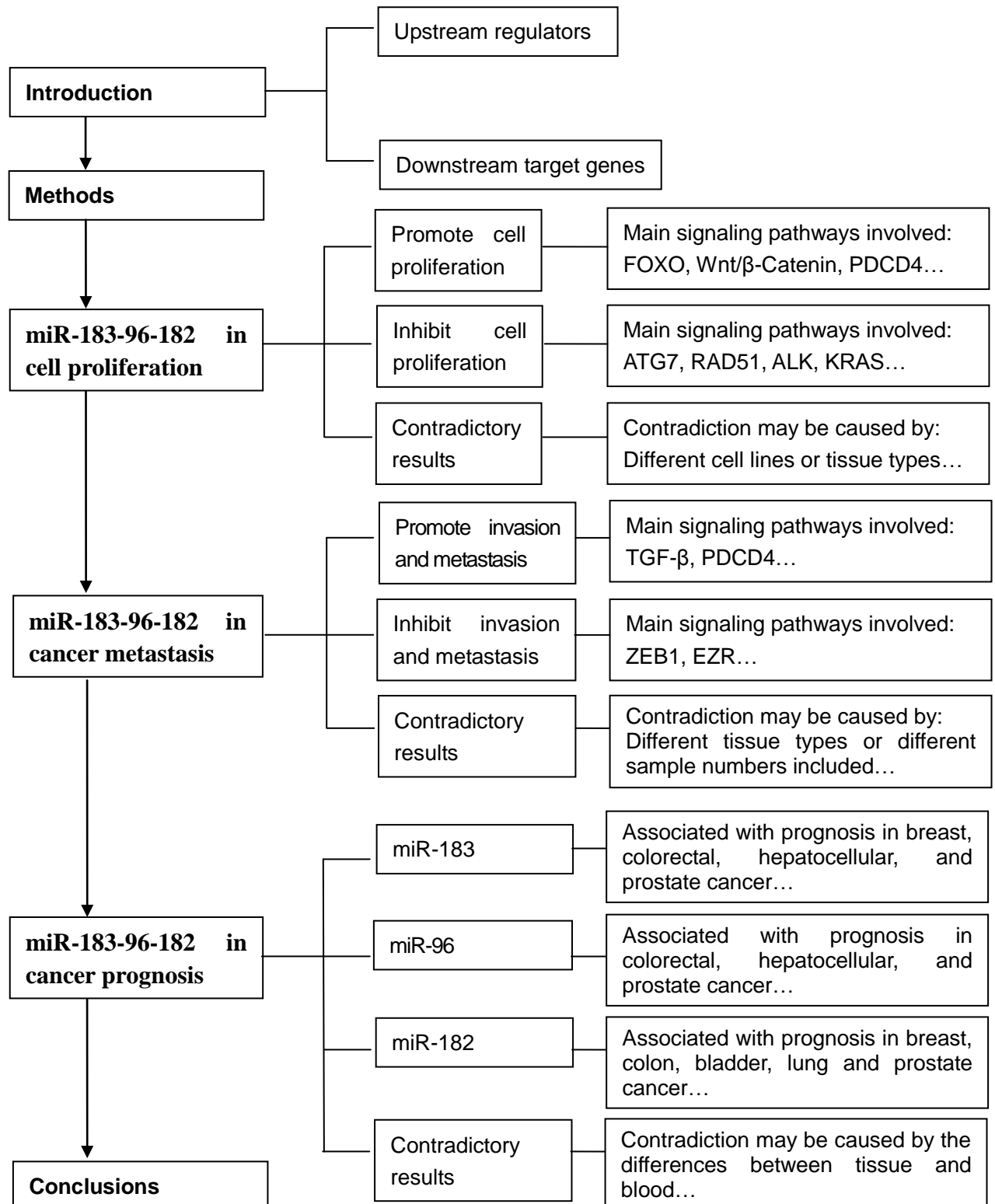


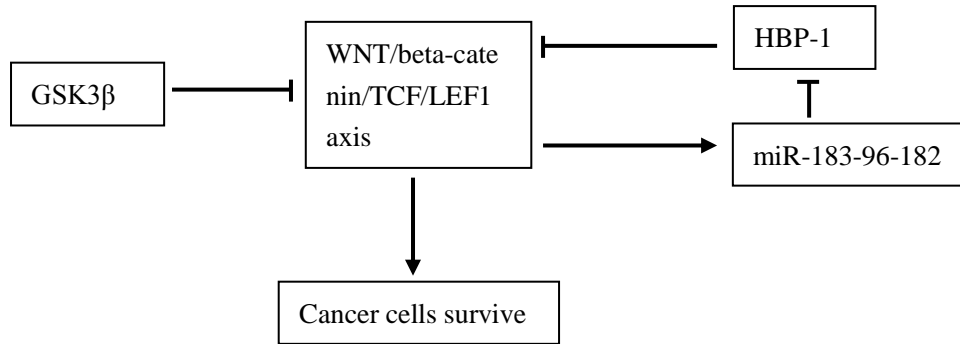
Dysregulation and functional roles of miR-183-96-182 cluster in cancer cell proliferation, invasion and metastasis

Supplementary Material

1-1. The outline of the manuscript.



1-2. miR-183-96-182 cluster and WNT/beta-catenin form a positive feedback in promoting cancer cell proliferation.



1-3. Some possible reasons for the reported contradictory results.

Contradictory results	Possible reasons
In the different tumor types	Differentially expressed miR-183-96-182 cluster Differentially expressed target genes Target genes with mutations Other competing molecules exist Involvement of different signaling pathways
In the same tumor type	Different cell lines Heterogeneity of cancer tissue (e.g. different pathological grading) Different experimental methods (e.g. CCK-8 or MTT) Different experimental conditions (e.g. hypoxia or not) Differences between in vitro and in vivo experiments Differences between tissue and blood Differences between cancer tissue and cell lines Differences in study powers

1-4. miR-183-96-182 cluster and ZEB1 form a double negative feedback loop in inhibiting EMT.

