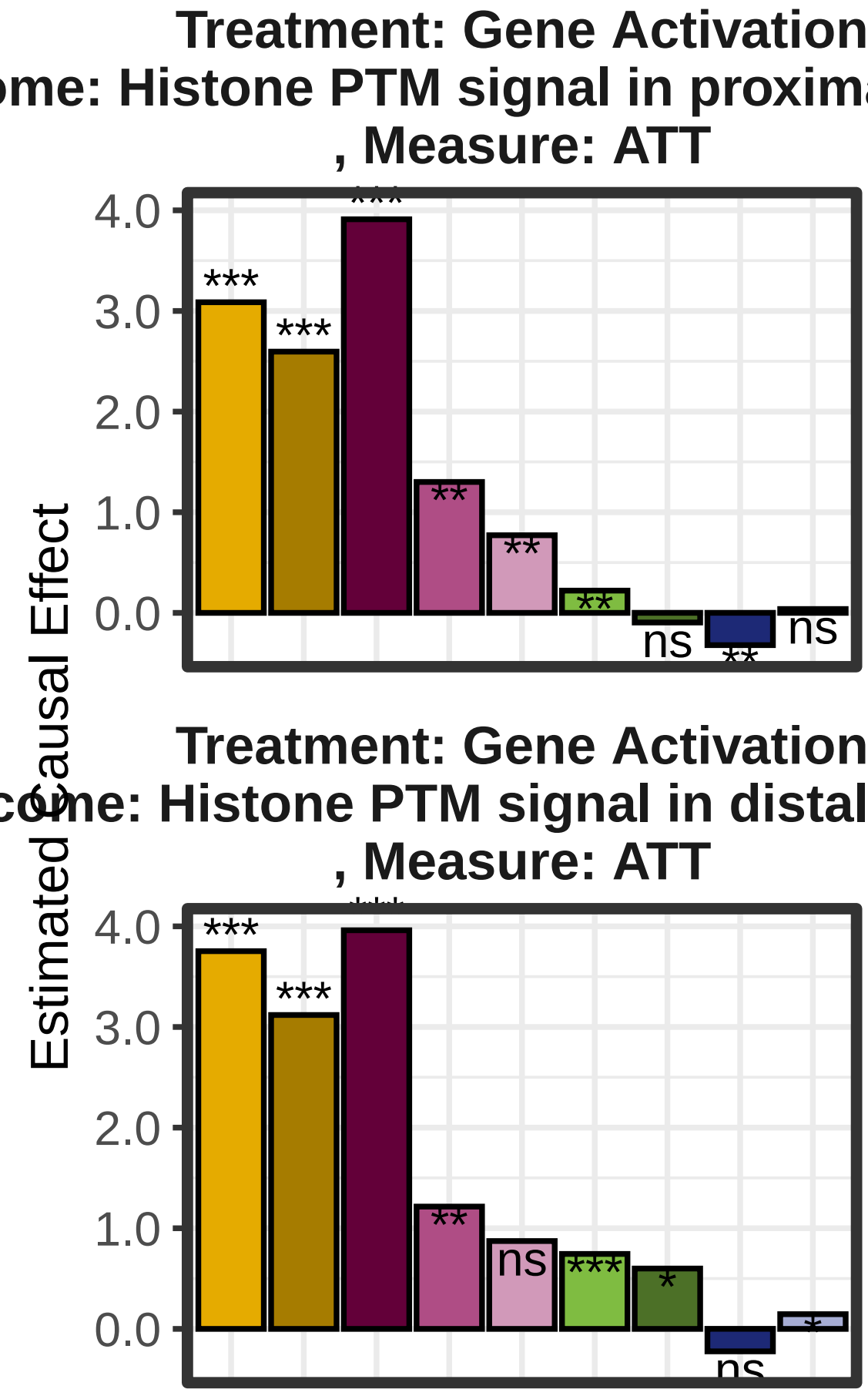
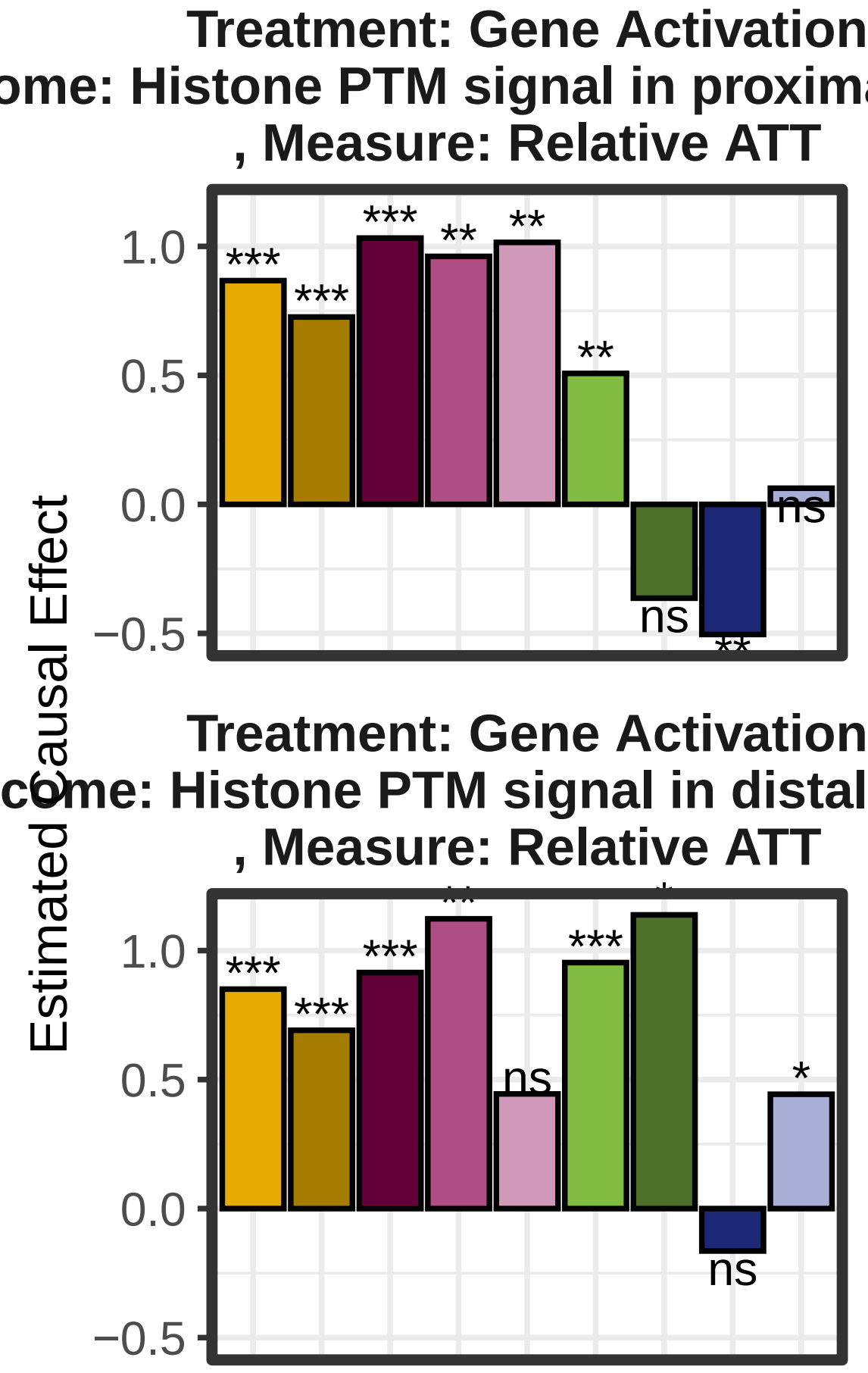
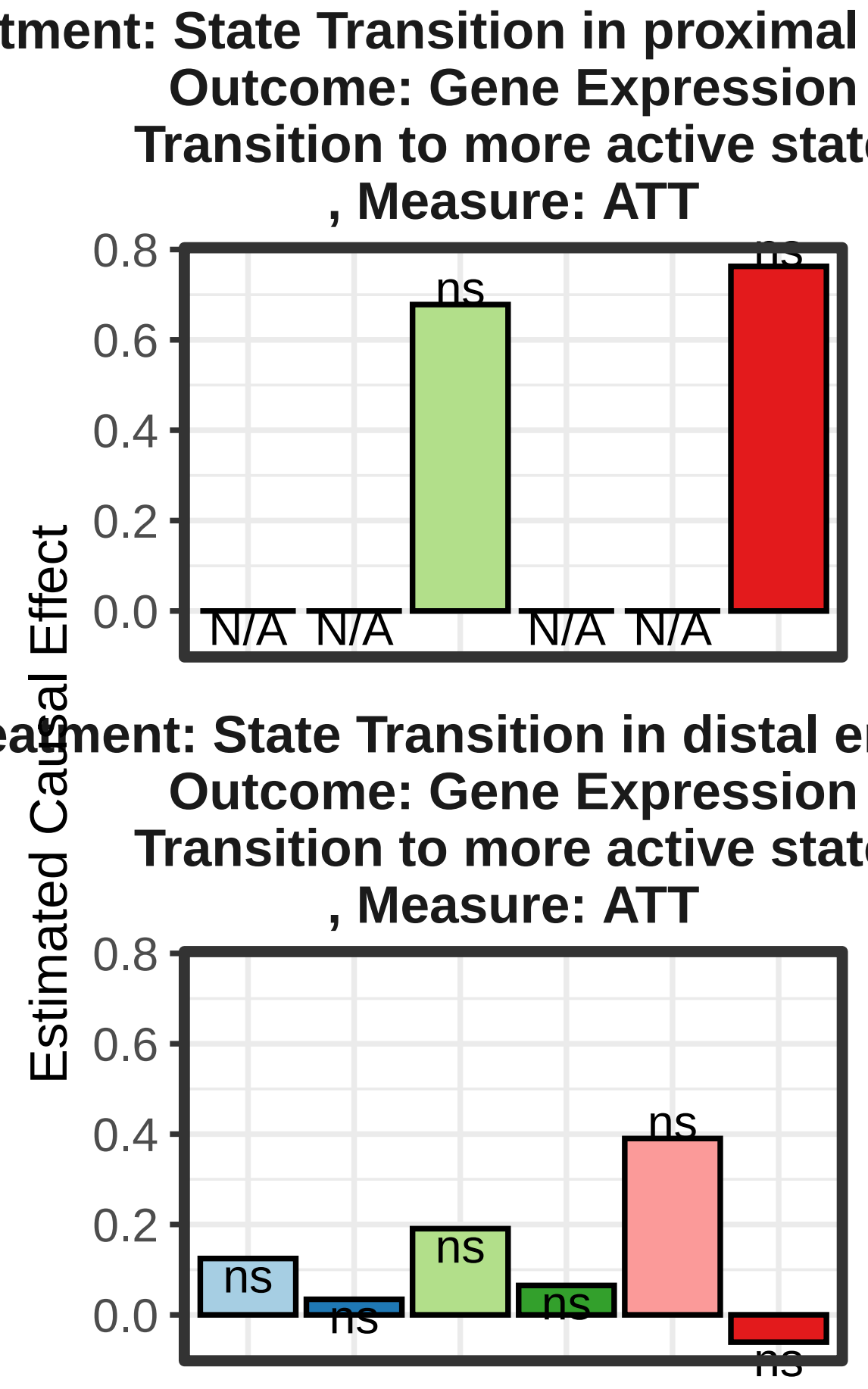
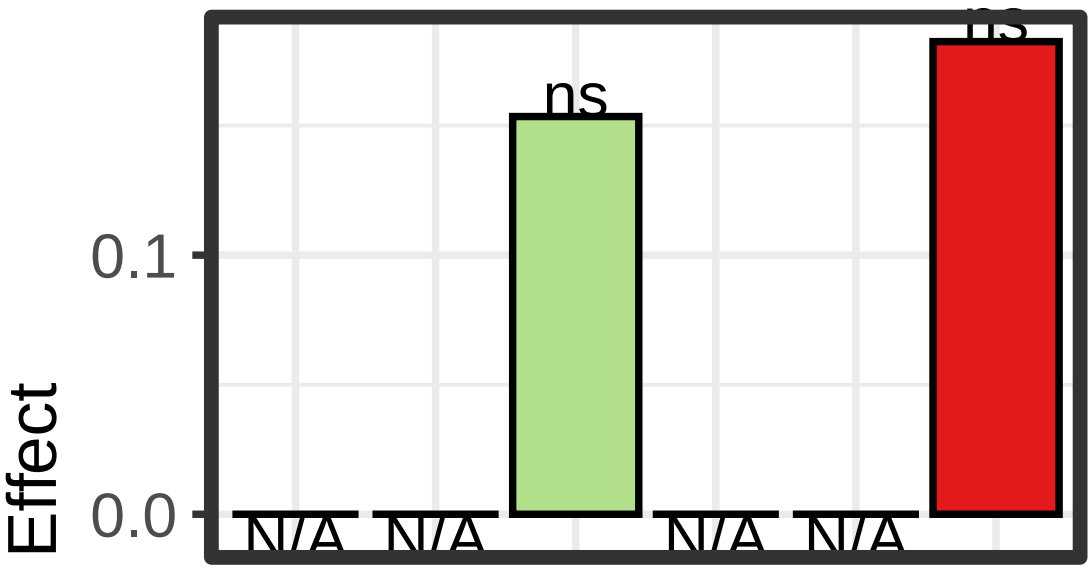

Treatment: Gene Activation
ome: Histone PTM signal in proxima
, Measure: ATT
Estimated Causal Effect
4.0
3.0
2.0
1.0
0.0
***
***
***
**
**
**
ns
**
ns
Treatment: Gene Activation
come: Histone PTM signal in distal
, Measure: ATT
4.0
3.0
2.0
1.0
0.0
***
***
**
ns
***
*
ns
*


Treatment: Gene Activation
ome: Histone PTM signal in proxima
, Measure: Relative ATT
Treatment: Gene Activation
come: Histone PTM signal in distal
, Measure: Relative ATT
Estimated Causal Effect
1.0
0.5
0.0
−0.5
***
***
***
**
**
**
ns
**
ns
***
***
***
**
ns
***
*
ns


tment: State Transition in proximal
Outcome: Gene Expression
Transition to more active stat
, Measure: ATT
0.8
0.6
0.4
0.2
0.0
ns
ns
N/A
N/A
N/A
N/A
Estimated Causal Effect
eatment: State Transition in distal e
Outcome: Gene Expression
Transition to more active stat
, Measure: ATT
0.8
0.6
0.4
0.2
0.0
ns
ns
ns
ns
ns
ns

tment: State Transition in proximal
Outcome: Gene Expression
Transition to more active stat
, Measure: Relative ATT



eatment: State Transition in distal e
Outcome: Gene Expression
Transition to more active stat
, Measure: Relative ATT

