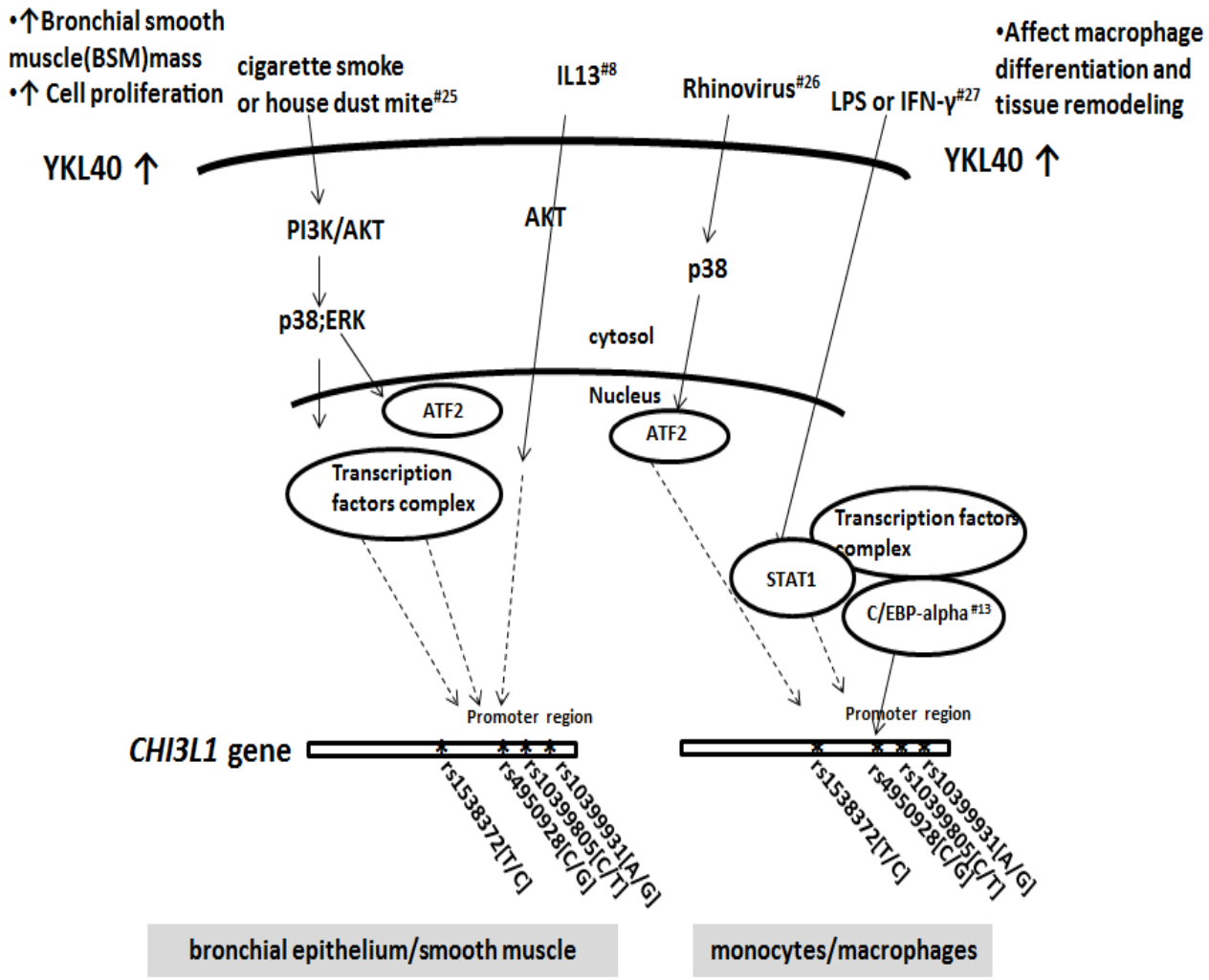
Figure S3


•↑Bronchial smooth muscle(BSM)mass
•↑ Cell proliferation
cigarette smoke or house dust mite#25
IL13#8
Rhinovirus#26
LPS or IFN-γ#27
•Affect macrophage differentiation and tissue remodeling
YKL40 ↑
YKL40 ↑
PI3K/AKT
AKT
p38
p38;ERK
cytosol
Nucleus
ATF2
ATF2
Transcription factors complex
Transcription factors complex
STAT1
C/EBP-alpha#13
Promoter region
Promoter region
CHI3L1 gene
rs1538372[T/C]
rs4950928[C/G]
rs10399805[C/T]
rs10399931[A/G]
rs1538372[T/C]
rs4950928[C/G]
rs10399805[C/T]
rs10399931[A/G]
bronchial epithelium/smooth muscle
monocytes/macrophages