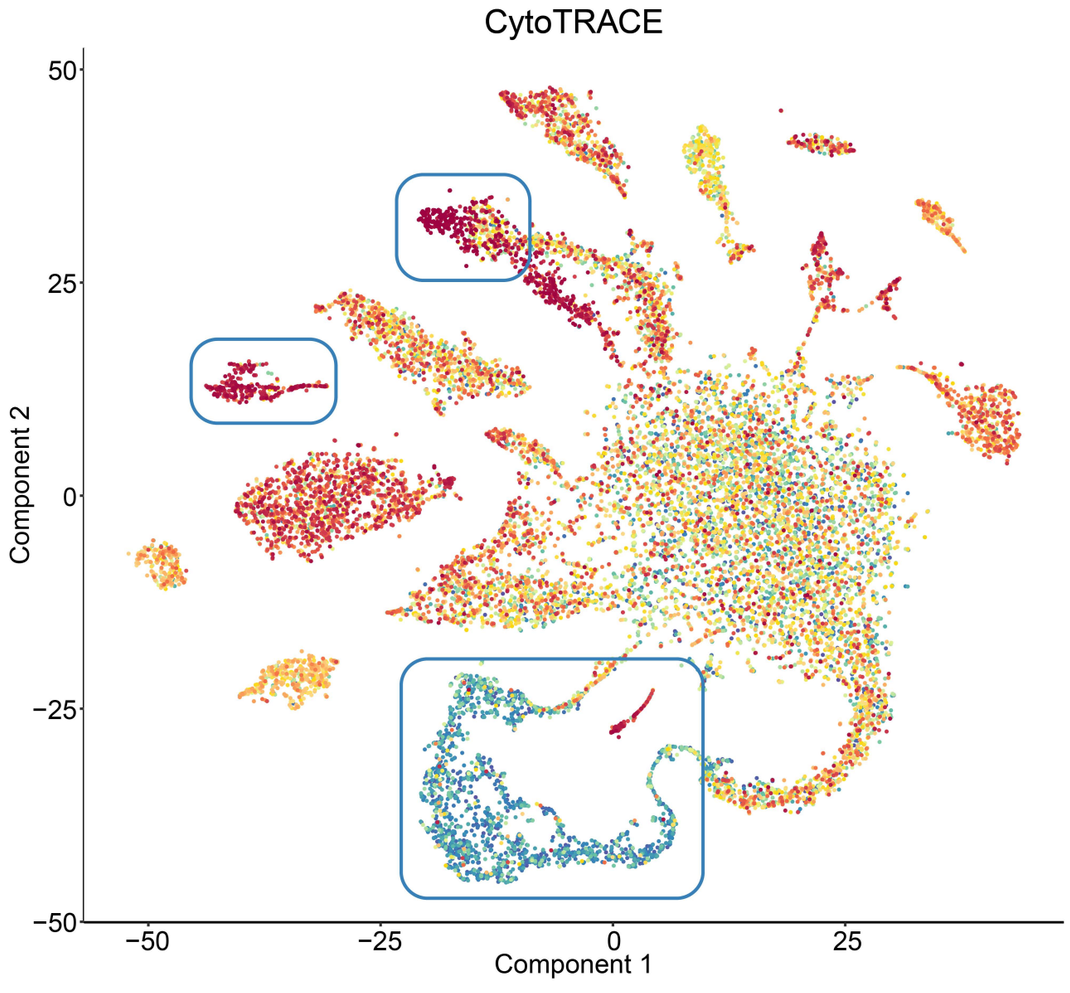
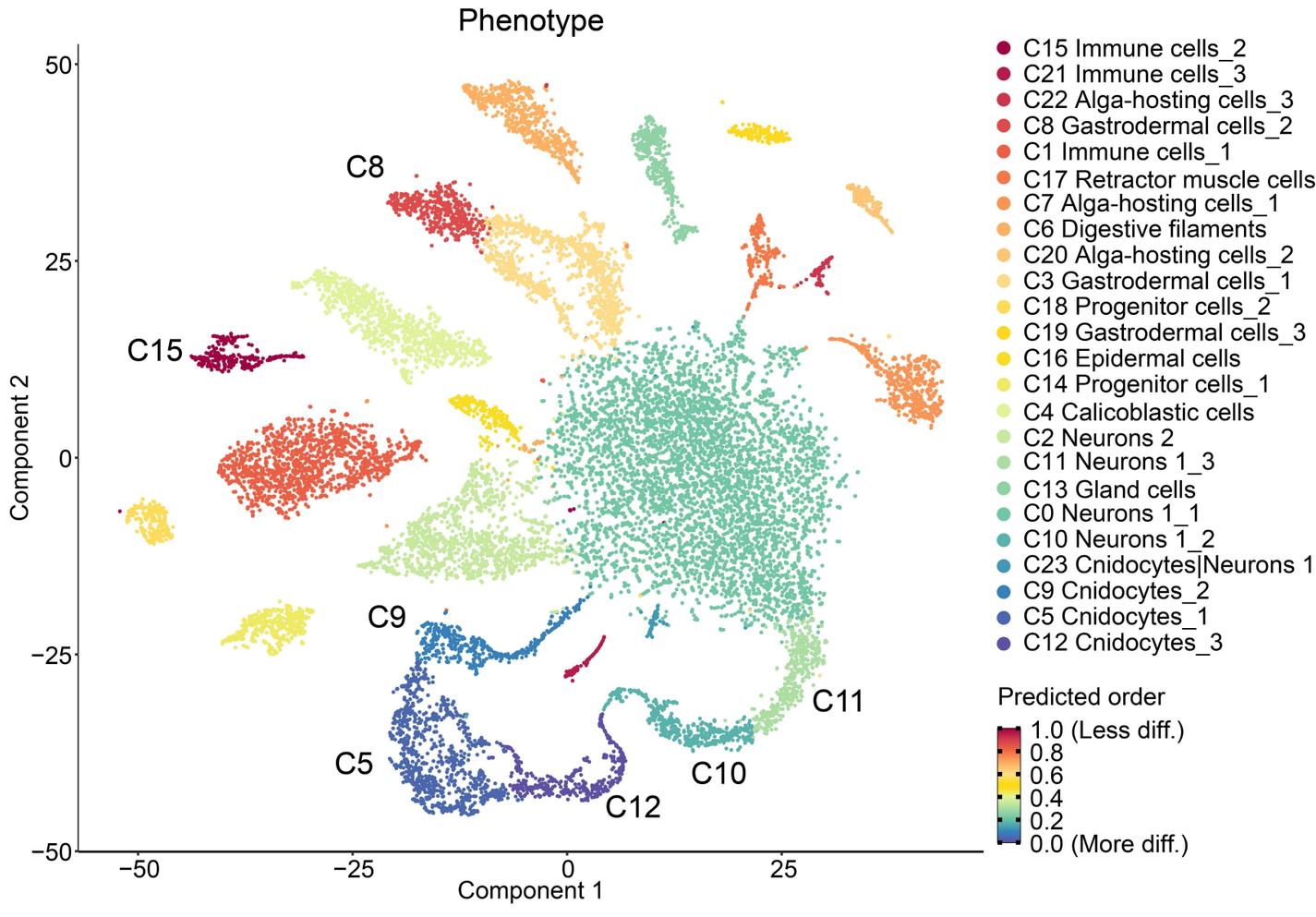
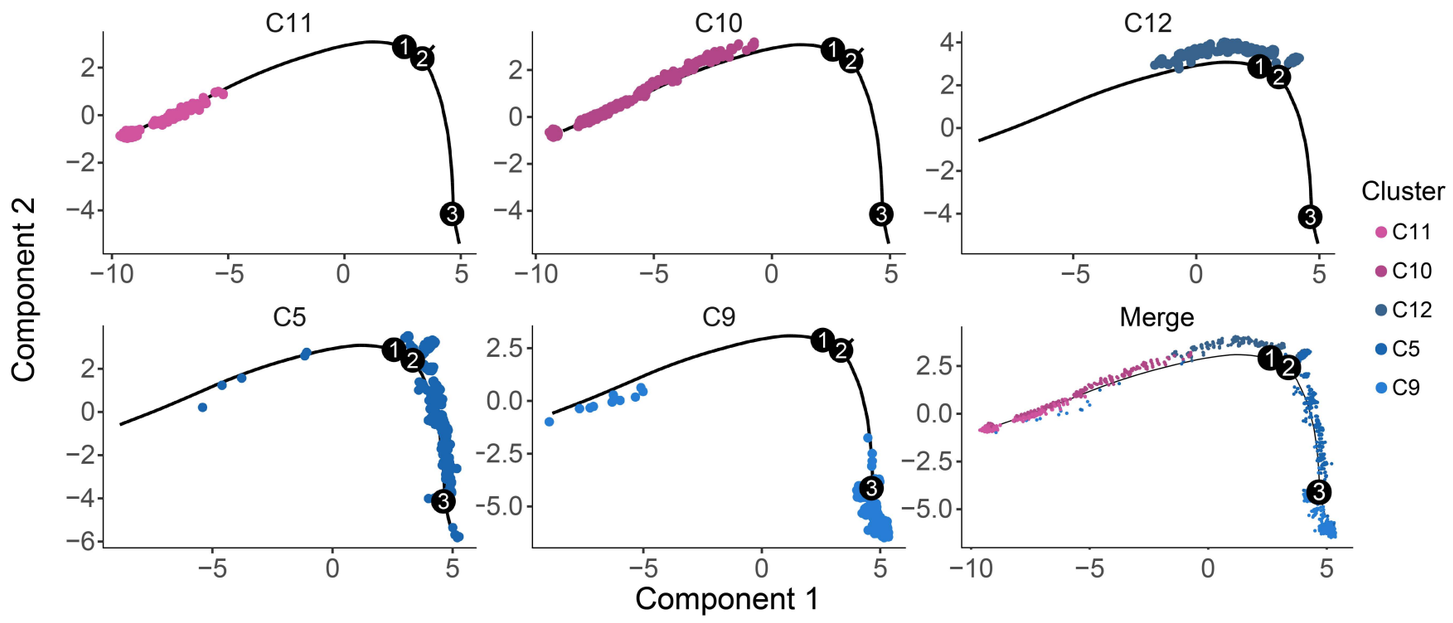
A

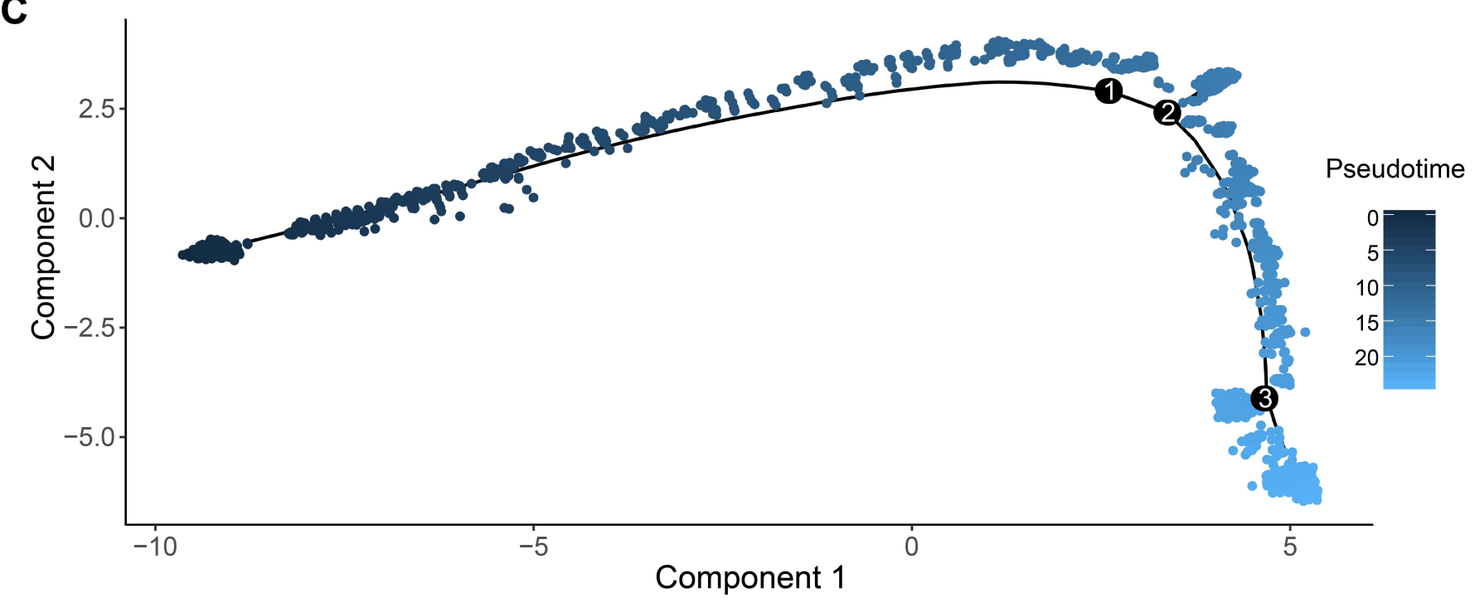

CytoTRACE
Component 2
Component 1
50
25
0
−25
−50
−50
−25
0
25


Phenotype
C8
C15
C9
C11
C5
C10
C12
Component 2
Component 1
C15 Immune cells_2
C21 Immune cells_3
C22 Alga-hosting cells_3
C8 Gastrodermal cells_2
C1 Immune cells_1
C17 Retractor muscle cells
C7 Alga-hosting cells_1
C6 Digestive filaments
C20 Alga-hosting cells_2
C3 Gastrodermal cells_1
C18 Progenitor cells_2
C19 Gastrodermal cells_3
C16 Epidermal cells
C14 Progenitor cells_1
C4 Calicoblastic cells
C2 Neurons 2
C11 Neurons 1_3
C13 Gland cells
C0 Neurons 1_1
C10 Neurons 1_2
C23 Cnidocytes|Neurons 1
C9 Cnidocytes_2
C5 Cnidocytes_1
C12 Cnidocytes_3
Predicted order
1.0 (Less diff.)
0.8
0.6
0.4
0.2
0.0 (More diff.)

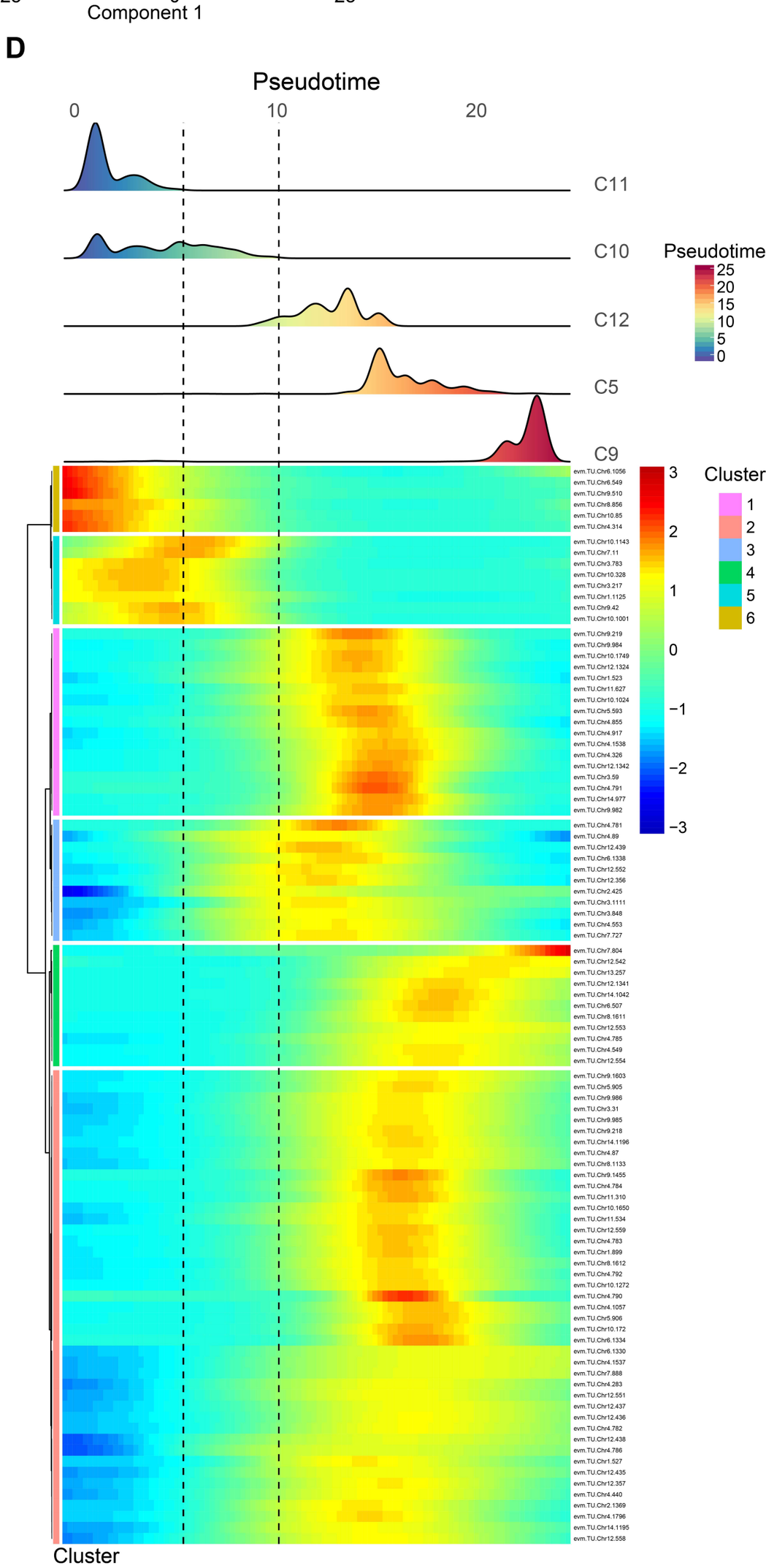
B


C11
C10
C12
C5
C9
Merge
Component 2
Component 1
Cluster
C11
C10
C12
C5
C9

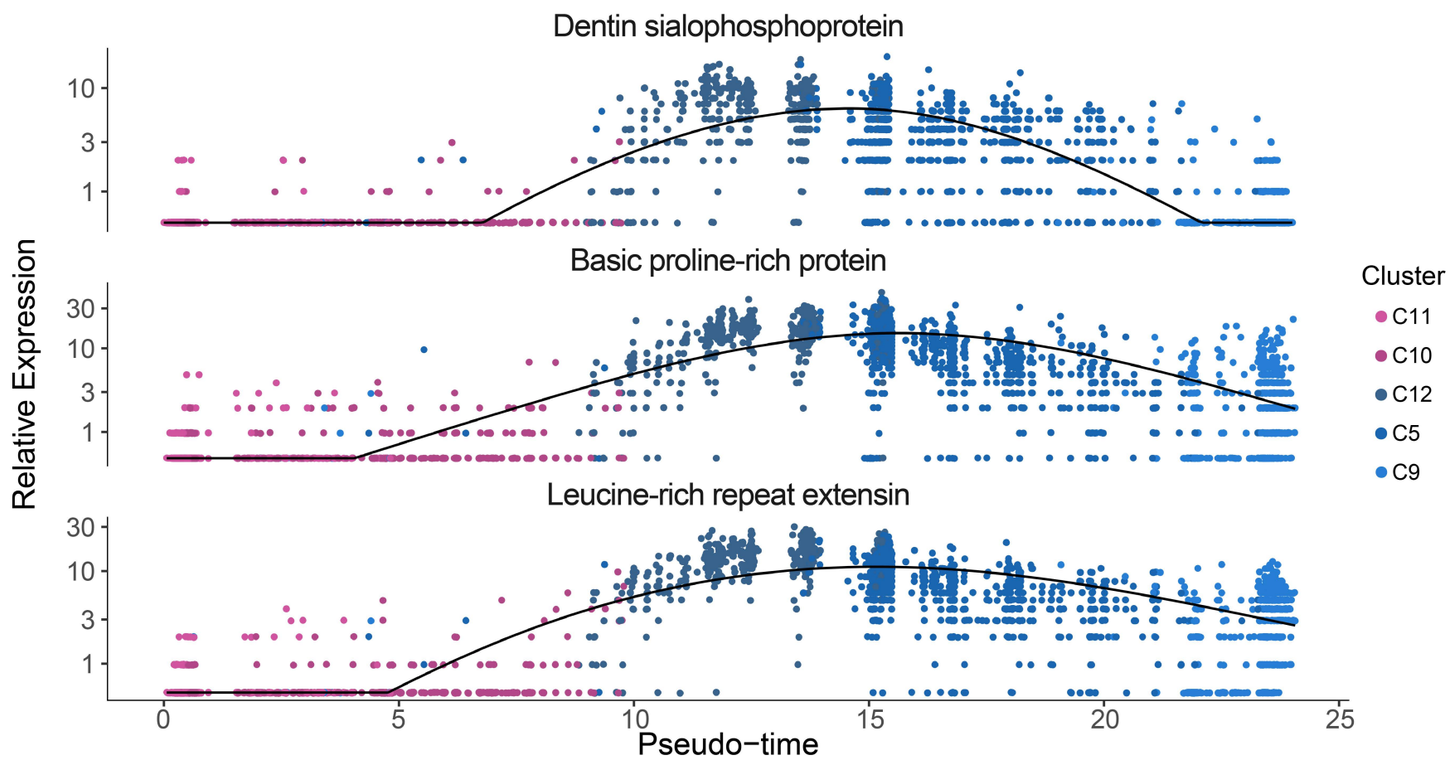
C


Component 2
Component 1
Pseudotime
0
5
10
15
20

D


Pseudotime
0
10
20
C11
C10
C12
C5
C9
Pseudotime
25
20
15
10
5
0
Cluster
1
2
3
4
5
6
3
2
1
0
−1
−2
−3
Cluster

E


Dentin sialophosphoprotein
Basic proline-rich protein
Leucine-rich repeat extensin
Relative Expression
Pseudo−time
Cluster
C11
C10
C12
C5
C9