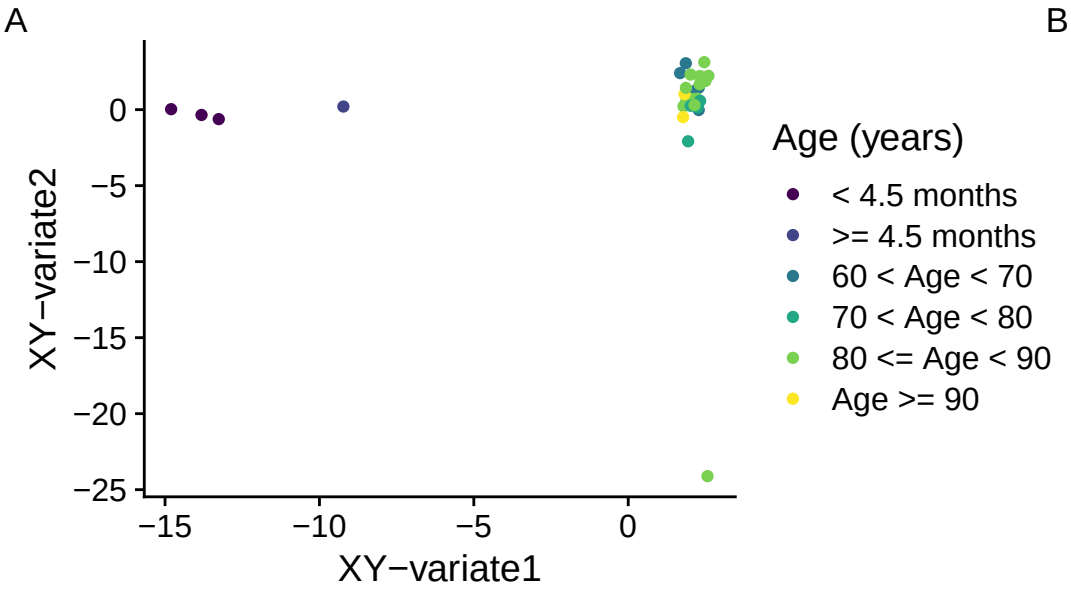
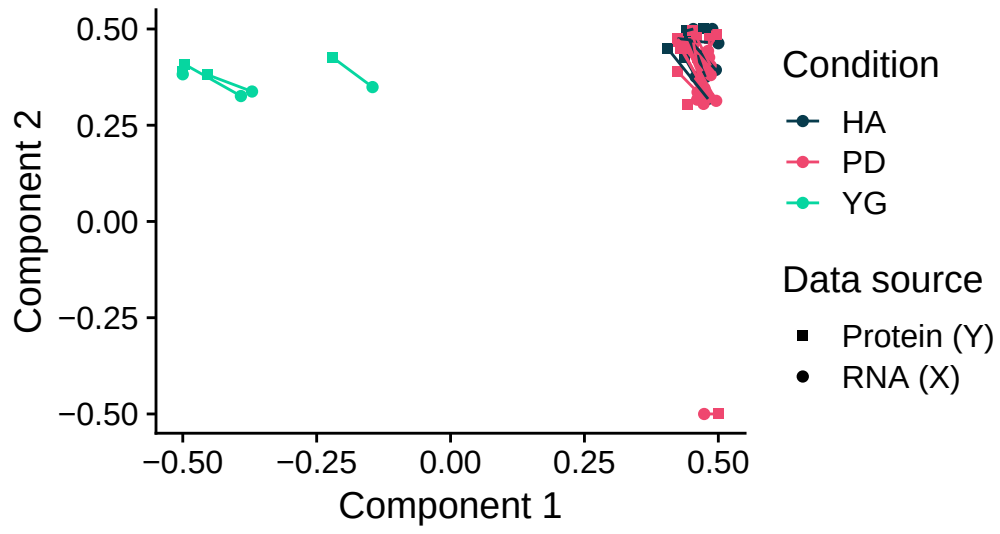
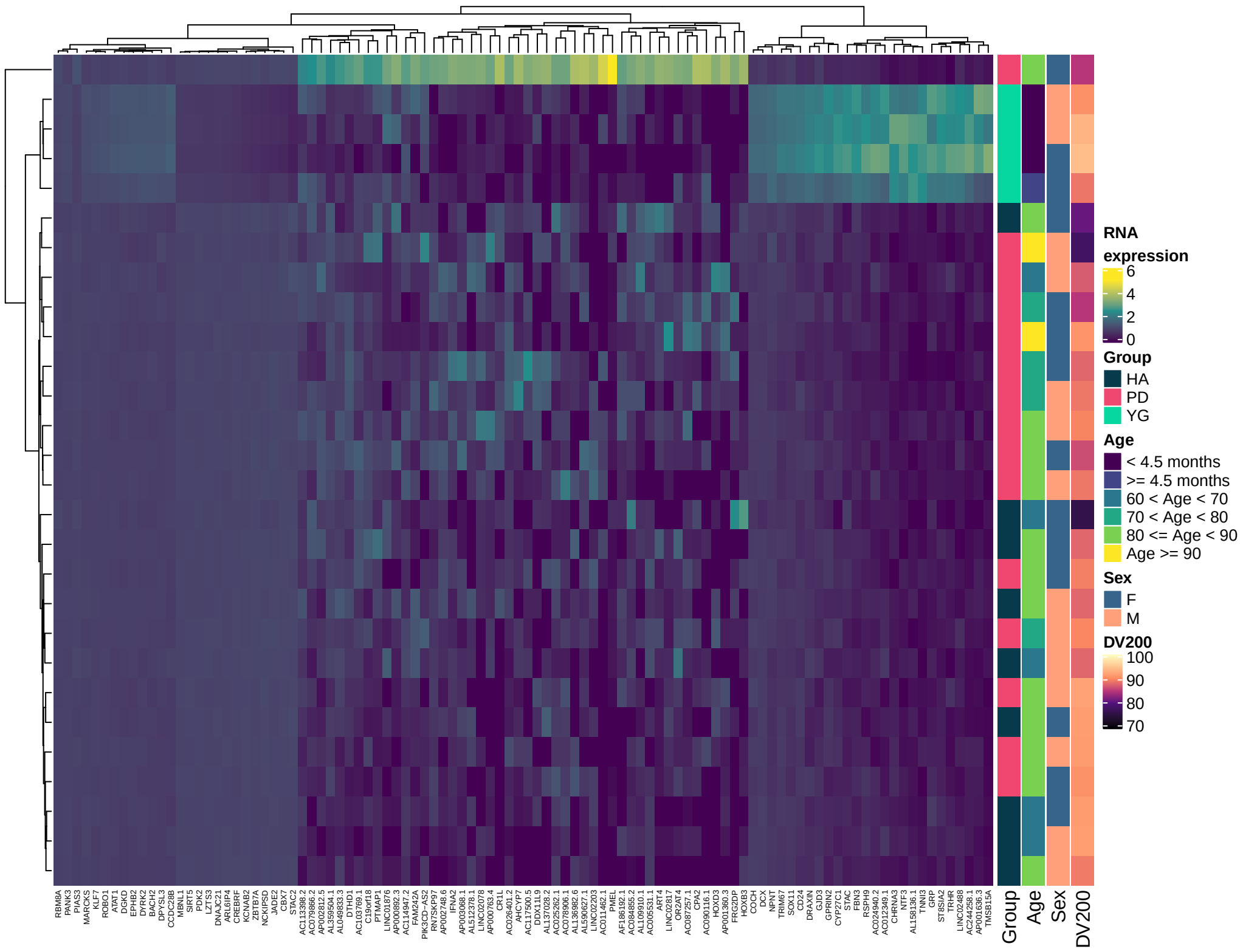
A


XY−variate2
XY−variate1
0
−5
−10
−15
−20
−25
−15
−10
−5
0
Age (years)
< 4.5 months
>= 4.5 months
60 < Age < 70
70 < Age < 80
80 <= Age < 90
Age >= 90

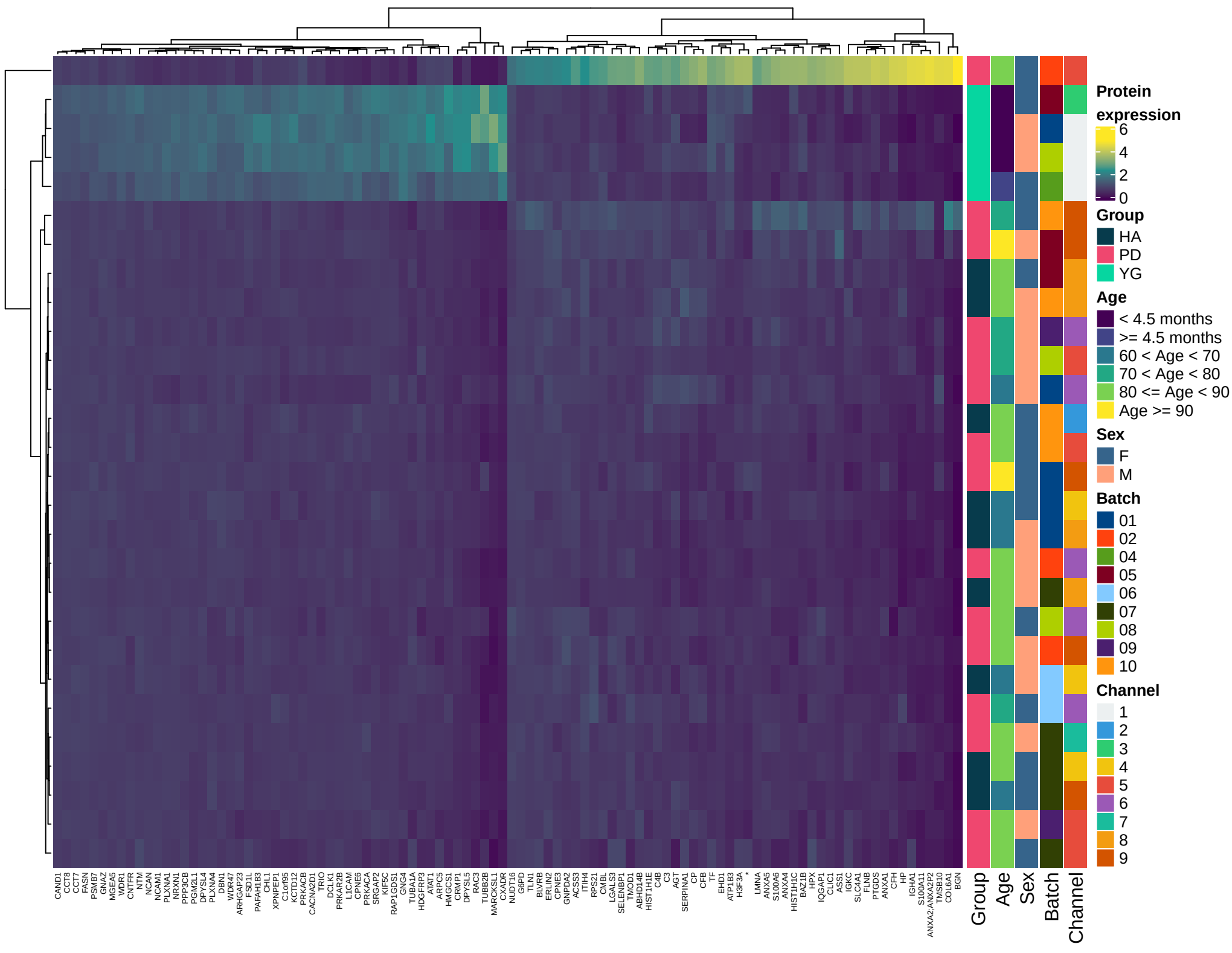
B


Component 2
Component 1
0.50
0.25
0.00
−0.25
−0.50
Condition
HA
PD
YG
Data source
Protein (Y)
RNA (X)

C


RNA expression
6
4
2
0
Group
HA
PD
YG
Age
< 4.5 months
>= 4.5 months
60 < Age < 70
70 < Age < 80
80 <= Age < 90
Age >= 90
Sex
F
M
DV200
100
90
80
70
Group
Age
Sex
DV200

D


Protein expression
6
4
2
0
Group
HA
PD
YG
Age
< 4.5 months
>= 4.5 months
60 < Age < 70
70 < Age < 80
80 <= Age < 90
Age >= 90
Sex
F
M
Batch
01
02
04
05
06
07
08
09
10
Channel
1
2
3
4
5
6
7
8
9
Group
Age
Sex
Batch
Channel