|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cross validation | Alpha=0 | Alpha=0.2 | Alpha=0.4 | Alpha=0.8 | Alpha=1.0 |
| 5-fold | 2145 genes：GAMT, …… | 14 genes: GAMT,RBP7,ST8SIA6, FOLR2, KCNQ1, RASSF8, ARL4D, GADD45B, FOXS1, GDF5, NKAIN4, FBXL2, BEX4, NGFRAP1 | 0 genes | 0 genes | GAMT, FOLR2, FOXS1, NKAIN4, BEX4 |
| 10-fold |  | RBP7, ST8SIA6, FOLR2, KCNQ1, RASSF8, ARL4D, GADD45B, FOXS1, GDF5, NKAIN4, FBXL2, PIP5K1B, BEX1, BEX4, NGFRAP1 | 8 genes:GAMT, RBP7, FOLR2,RASSF8,ARL4D,FOXS1, NKAIN4, BEX4 |  | 5 genes: FOLAR2, GAMT, FOXS1, NKAIN4, BEX4 |
| Survival analysis & correlation clustering filtering 10-fold |  |  |  |  | FMO2, ATP8A2, CPT1C, GAMT |