



(a) clusters		Top 5 driving genes
1	: Royal Purple	<i>NEAT1, IGFBP5, CCLN2, SRSF5, PNISR</i>
2	: Salmon	<i>SNAP25, FBXL16, NCDN, SNCB, SLC17A7</i>
3	: Light purple	<i>FABP4, PLIN1, FASN, GPX3, LIPE</i>
4	: Red	<i>ACTG2, MYH11, SYNM, MYLK, CSRP1</i>
5	: Sky blue	<i>RGS5, MGP, AEBP1, IGFBP7, MFGE5</i>
6	: Yellow	<i>KRT10, KRT1, KRT2, LOR, KRT14</i>
7	: Light orange	<i>NEB, MYH1, MYH2, MYBPC1, ACTA1</i>
8	: Orange	<i>FN1, COL1A1, COL1A2, COL3A1, COL6A3</i>
9	: Green	<i>MBP, GFAP, MTURN, H1PK2, CARNS1</i>
10	: Gray	<i>CYP17A1, CYP11B1, PIGR, GKN1, STAR</i>
11	: Light pink	<i>MPZ, APOD, PMP22, PRX, NGFR</i>
12	: Turquoise	<i>IGHM, IGHG1, IGHG2, IGHG4, CD74</i>
13	: Denim	<i>TG, PRL, GH1, PRM2, PRM1</i>
14	: Light gray	<i>NPPA, MYH6, TNNT2, ACTC1, MYBPC3</i>
15	: Brown	<i>KRT13, KRT4, MUC7, CRNN, KRT6A</i>
16	: Pink	<i>SFTPB, SFTPA1, SFTPA2, SFTPC, A2M</i>
17	: Purple	<i>CSF3R, MMP25, IL1R2, SELL, VNN2</i>
18	: Dark gray	<i>PRSS1, CPA1, PNLIP, CELA3A, GP2</i>
19	: Light green	<i>HBB, HBA2, HBA1, FKBP8, HBD</i>
20	: Light denim	<i>ALB, HP, FGB, FGA, ORM1</i>

(b) clusters		Top 5 driving genes
1	: Royal blue	<i>ATP1A2, CLU, PPP1R1B, APOE, GLUL</i>
2	: Yellow Orange	<i>PKD1, CBLN3, COL27A1, CHGB, PPFIA4</i>
3	: Turquoise	<i>ENC1, CALM2, MAP1A, CALM3, YWHAH</i>
4	: Red	<i>MBP, GFAP, TF, MTURN, PAQR6</i>