log2(1+FPKM) all 500 genes most variable driving PC 1 Replicate Replicate stage 10 tissue 8 Hba-x stage Hbb-bh1 6 Hbb-bs Mecom 4 Lhx9 2 Lhx2 tissue Hbb-y 0 Hba-a1 Plvap Cd34 Emcn Cdh5 ApInr Cxcl14 Cyp26a1 Tacstd2 Nectin4 Gabrp Col17a1 Krt14 Krt17 Krt19 Krt18 Krt8 Emx2 Wnt7a Tmem54 Cbr2 Cldn3 Fzd6 Adamts18 Pdgfa Cldn7 Sp8 Pdlim1 Kdf1 Ripk4 Ap1m2 AI661453 Cdh1 Cldn4 Wnt6 Gjb3 Perp Trp63 Bhlha9 **Epcam** Igfbp5 Bcam Cldn6 Sp6 Grb7 Itga3 Lad1 Sost S100a6 Cdkn1a St14 Tulp2 Fgf8 Gpx2 Spint2 Dlx3 Frem2 Ddr1 Pltp Arhgef19 Dlx2 Spint1 Dsg2 Mpzl2 Wnt3 Krt7 Ppl Grhl2 Jag2 Esrp1 Fermt1 Kremen2 Ntf5 Dlx1 Acpp Lama5 En1 Hspb1 Upk3bl Fxyd3 Esrp2 Wnt7b Krt5 Sfn Trim29 Pkp3 Wnt4 Plch2 Lamc2 Irf6 Grhl3 Dsp Fras1 MES125_R2
MES125_R1
MES115_R2
MES105_R2
MES095_R2
MES095_R2
ECT125_R1
ECT115_R2
ECT105_R2
ECT105_R2
ECT105_R2

1

2

E9.5

E10.5

E11.5

E12.5

ECT

MES