Genes gaining variability in first branch of hepatoblasts Birc5 Cd63 Aurka Cadm1 Ccna2 Asf1b Ccnb2 Cdca3 10.0 10.0 86420 10.0 10.0 7.5 5.0 2.5 0.0 6 3 0 7.5 5.0 7.5 5.0 5.0 5.0 2.5 2.5 2.5 2.5 H2afz Cdca8 Clk1 Ect2 Eno1 Fubp1 Haus3 Cenpa 10 8 10 9 10 8 6 7.5 7.5 5.0 5.0 2.5 2.5 2.5 Mad2I1 Hmgb2 Hsph1 Hmga2 Hmgb1 Hprt Lect2 Maged1 10.0 7.5 5.0 2.5 0.0 10.0 7.5 10.5 10.0 9.5 9.0 8.5 7.5 5.0 2.5 0.0 5.0 2.5 0.0 6 5.0 6 3 5 2.5 Mier3 Mthfd2 Metap2 Nasp Ncapd2 Mat2a Mcm3 Nap1I1 10.0 7.5 5.0 2.5 0.0 10 10.0 7.5 5.0 2.5 0.0 7.5 **-** 5.0 **-**7.5 10 5.0 6 2.5 2.5 Expression 0.0 Pfkl Nop56 Pola2 Ptcd3 Rcn3 Rfc3 Nmt2 Pnrc2 12 10.0 7.5 5.0 2.5 0.0 7.5 10 7.5 8 5.0 2.5 5.0 6 5 2.5 0.0 Sfpq Shcbp1 Smc2 Spcs3 Rpa1 Serpinf2 Snhg4 Sypl 10.0 7.5 5.0 2.5 0.0 12 10.0 7.5 5.0 2.5 7.5 5.0 2.5 0.0 10 10 11 10 3 3 6 9 Tacc3 Tnfaip8 Tpi1 Trim59 Trp53 Vtn Wrb Ybx1 10.0 10 11.0 10.5 10.0 9.5 9.0 86420 7.5 10 5.0 5 2.5 Zfp260 Zfp871 10.0 7.5 5.0 2.5 0.0 7.5 **-** 5.0 **-** 2.5 **-** 0.0 **-** -2.5 **-**

Pseudotime