logcounts (row−normalized)

Heatmap with column annotations:
- **genotype**: Control (green), Mutant (purple)
- **cluster**: 1 (black), 2 (gold/orange), 3 (light blue), 4 (green), 5 (yellow), 6 (blue), 7 (orange)

Color scale legend (row values): 4, 2, 0, −2, −4

Row labels (top to bottom):
Hist1h2ap, Hist1h2ae, Hist1h2ag, Hist1h2ao, Hist1h2an, Hist1h2ak, Hist1h2ac, Ubc, Utrn, Malat1, H1f0, Ssrp1, Mcm6, Rrm2, Tfdp1, Fam111a, Slbp, Ncaph, Cep192, Dnmt1, Tyms, Tk1, Hist1h2ad, Hist1h2ah, Kif15, Prc1, Kif11, Kif22, Incenp, Plk4, Anln, Ncapd3, Cdc45, Chaf1b, Ccne2, Asf1b, Rad18, Mtbp, E2f2, Nsl1, Pole, Ccnf, Brca2, Rad54l, Esco2, Ccne1, ENSMUSG00000112222.1, Melk, Stil, Brip1, Ube2t, Hist1h1b, Cdca5, ENSMUSG00000107724.1, Hist1h2ai, Hist1h4d, Fbxo5, Hist1h1e, Hist1h2al, Hist2h2aa1, Hist2h2ac, Hist1h2ab, Hist1h2af, Clspn, Ncapg2, Casc5, Ncapg, Cdca2, Aurkb, Pbk, Neil3, Nusap1, Ndc80, Spc25, Shcbp1, Iqgap3, Slfn9, Fen1, Lig1, Dhfr, Mcm7, Tcf19, Uhrf1, Hjurp, Bub3, H3f3b, Tubb5, Cdk1, Ube2c, Gm10184, Kpna2, Pcna, Pcna−ps2, Top2a, 2810417H13Rik, Mki67, Smc2, Dek, Tmpo, Smc4

Left annotation bar: cluster