



**Figure 4-1.** Heatmap showing the accuracy of the classifier in **Supplementary Table 1** based on 120 genes. For simplicity, only 10 core samples in each subtype are shown. The classification proceeds along the hierarchy: (Luminal vs. Basal vs. HER2+), (Luminal A vs. Luminal B), (LB<sub>1</sub> vs. LB<sub>2</sub> vs. LB<sub>3</sub>), (BA<sub>1</sub> vs. BA<sub>2</sub>) and (HER2<sub>I</sub> vs. HER2<sub>NII</sub>). The first three row-blocks of genes classify a sample into Luminal, Basal or HER2+. The next two row-blocks distinguish Luminal A from Luminal B and so on. The last two rows show the HER2<sub>I</sub> vs. HER2<sub>NII</sub> separation. Up-regulated genes are shown in red and downregulated genes in green. The genes used in the assignment rules for each level are given in **Supplementary Table 1** and the stratification procedure is described in **Appendix 4**.