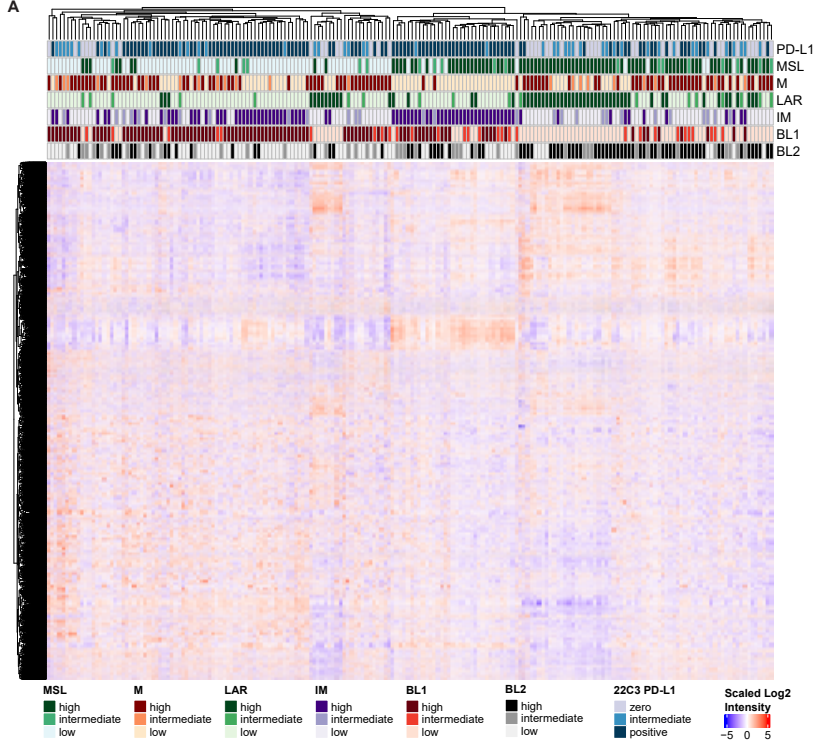
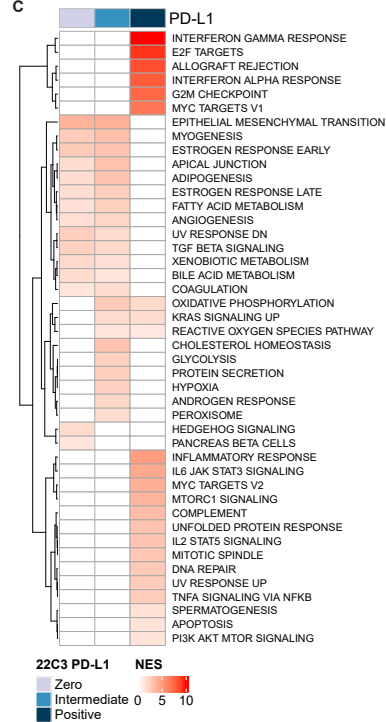


A



C



B

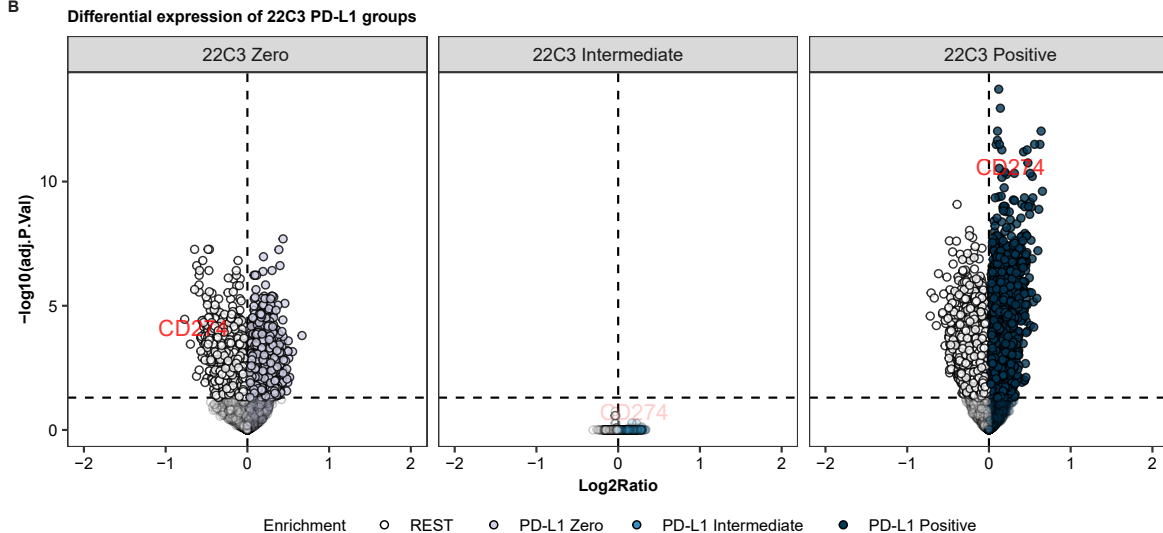


Fig. S1 Hierarchical cluster analysis, differential expression (DE) and Gene Set Enrichment Analysis (GSEA) according to the three 22C3 immunohistochemical (IHC) PD-L1 categories in the overall gene expression cohort (N=194). Cluster analysis shown as a heatmap of hierarchical clustering in (A) and corresponding tables of cluster categorization are shown in Table 4. In (B) DE of genes displayed as volcano plots where each IHC PD-L1 group is compared to the other two (i.e. the "rest"). In (C) GSEA showing significantly enriched hallmark molecular pathways across PD-L1 categories. Each cell in the GSEA heatmap represents a pathway and if coloured in red (normalized enrichment scores (NES)) it is significantly enriched compared to the other two PD-L1 subgroups, with various levels of enrichment (darker shade of red). Abbreviations: BL1 and BL2: Basal-like 1 and 2, IM: Immunomodulatory, LAR: Luminal androgen receptor, M: Mesenchymal, MSL: Mesenchymal stem-like.