## Recurrent HPV-related Head & Neck Cancer Immune cell proliferation, adhesion, Humoral immune response differentiation & activation Inflammation & Fibrosis Lymphocyte migration Cytokine signalling TEK downstream cancer pathway Epidermal processes & keratinization T-cell receptors IL production Leukocyte regulation IL23 pathway Node IL12 pathway # genes in pathway TCR signaling in na B-cell receptors Iron transport Immune response signalling **IL1** pathway Edge Phosphatidylinositol-3 kinase Antigen receptor overlap size Theme Made by Inika Prasad, data from Vyas, Avani et al. Themes sharing nodes Similar themes or attributes