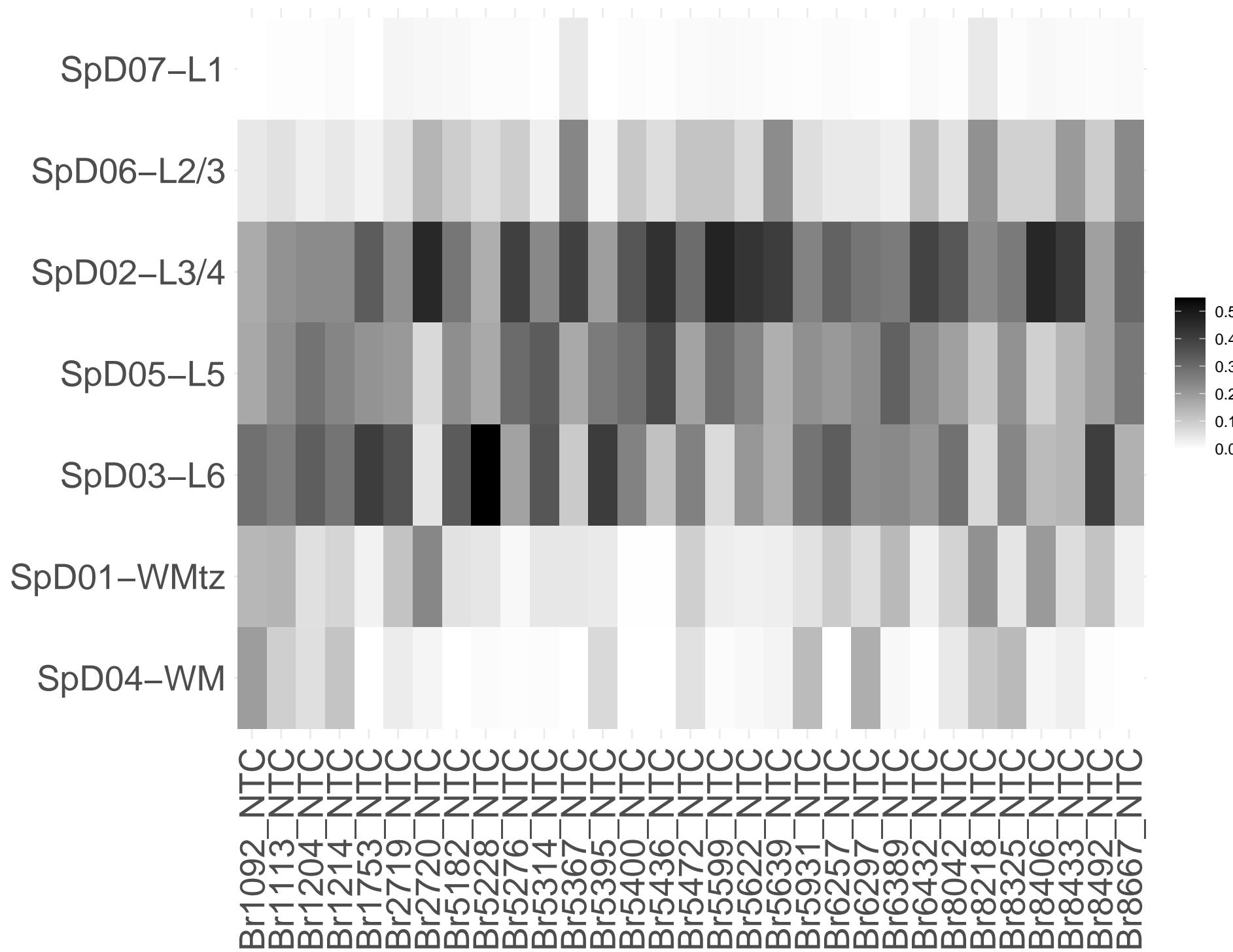spots with sum of marker gene expression > 1000

spots with segmented signal < 5% of spot area