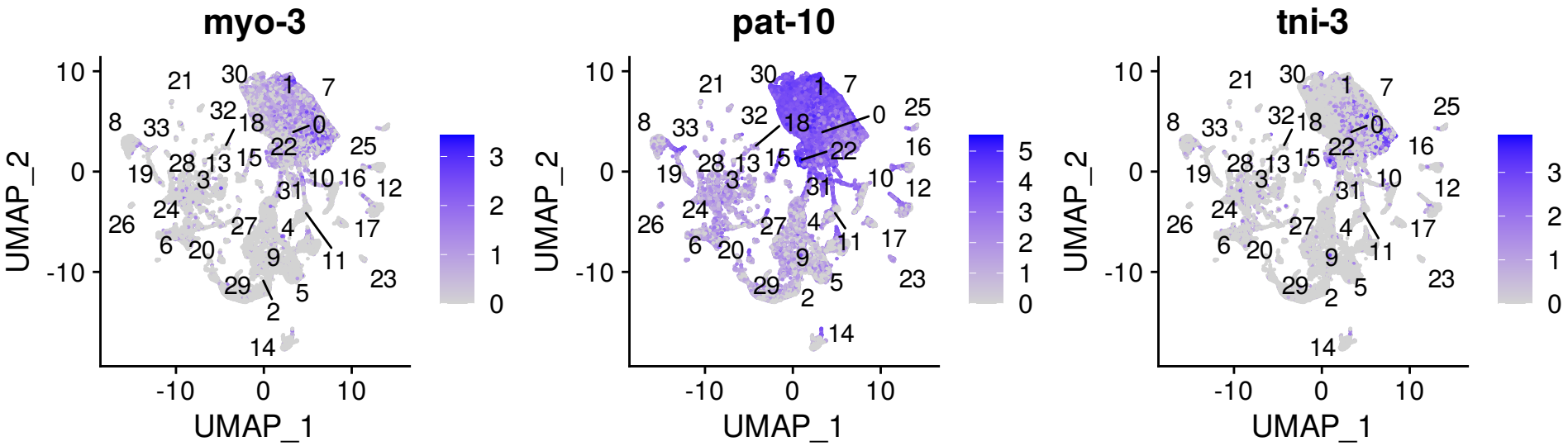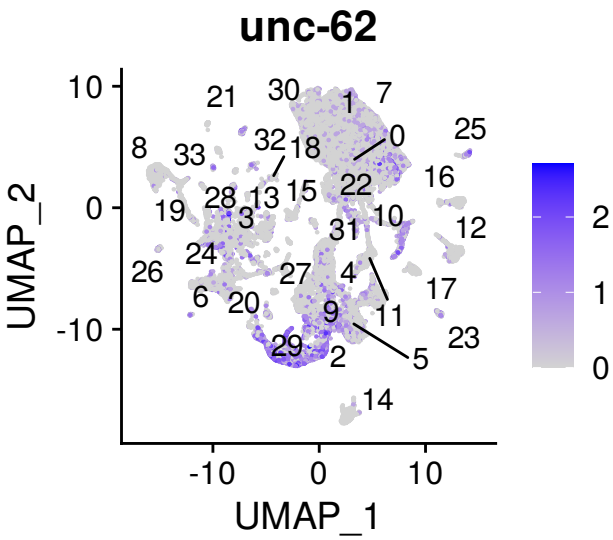BWM_head_row_2 markers