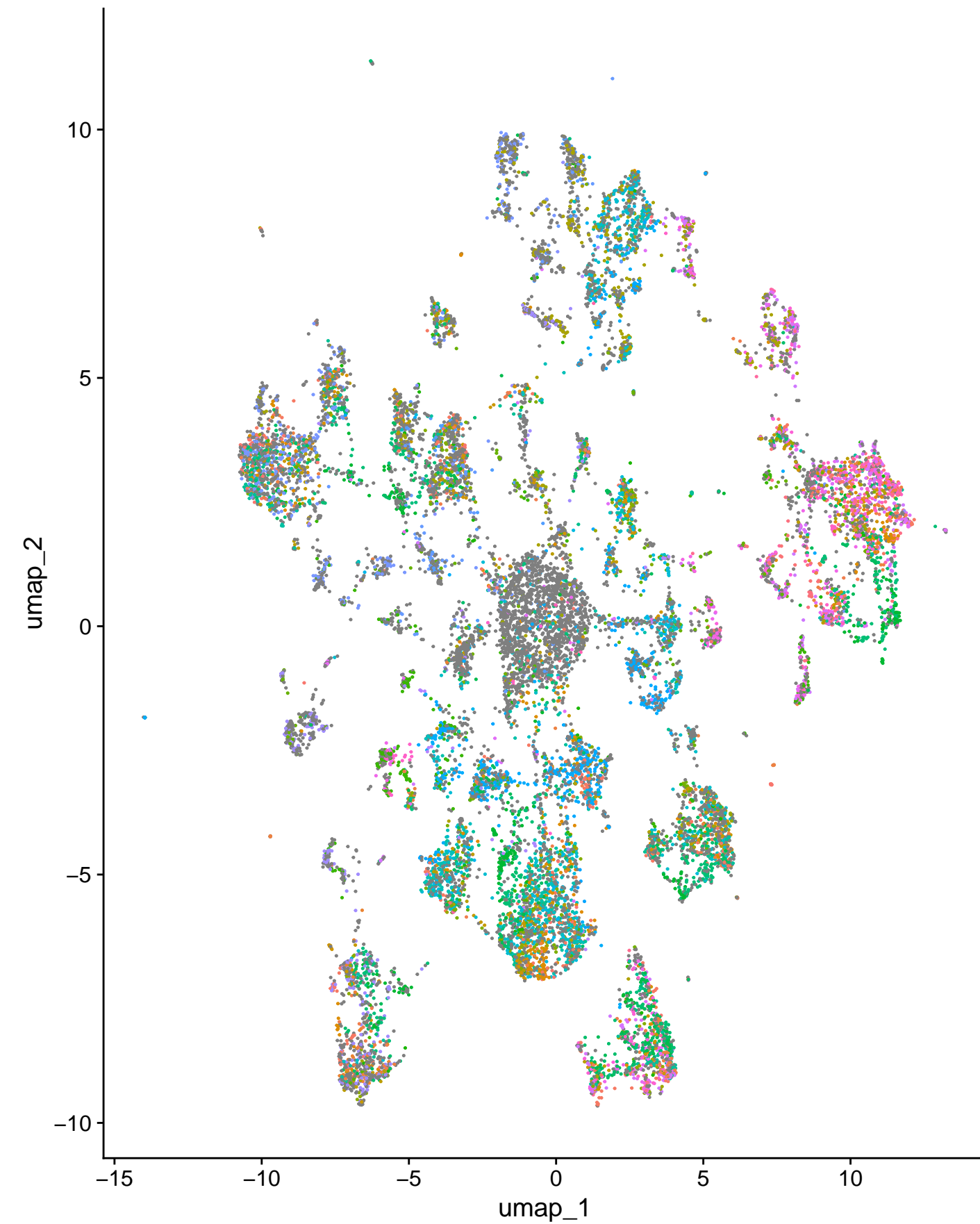


# TCR v gene, contig 1

HH117-SILP-nonINF-PC



- |              |            |              |           |           |          |
|--------------|------------|--------------|-----------|-----------|----------|
| IGHV1-18     | IGHV3-20   | IGHV4-31     | IGKV1-39  | IGKV3-20  | IGLV2-8  |
| IGHV1-2      | IGHV3-21   | IGHV4-34     | IGKV1-5   | IGKV3D-15 | IGLV3-1  |
| IGHV1-24     | IGHV3-23   | IGHV4-38-2   | IGKV1-6   | IGKV3D-20 | IGLV3-10 |
| IGHV1-3      | IGHV3-30   | IGHV4-39     | IGKV1-8   | IGKV4-1   | IGLV3-19 |
| IGHV1-46     | IGHV3-33   | IGHV4-4      | IGKV1-9   | IGKV5-2   | IGLV3-21 |
| IGHV1-58     | IGHV3-35   | IGHV4-59     | IGKV1D-12 | IGKV6-21  | IGLV3-25 |
| IGHV1-69     | IGHV3-43   | IGHV4-61     | IGKV1D-13 | IGKV6D-21 | IGLV3-27 |
| IGHV1-69-2   | IGHV3-48   | IGHV4/OR15-8 | IGKV1D-16 | IGLV1-36  | IGLV3-9  |
| IGHV1-69D    | IGHV3-49   | IGHV5-10-1   | IGKV1D-17 | IGLV1-40  | IGLV4-60 |
| IGHV1-8      | IGHV3-53   | IGHV5-51     | IGKV1D-8  | IGLV1-44  | IGLV4-69 |
| IGHV1/OR15-1 | IGHV3-7    | IGHV6-1      | IGKV2-24  | IGLV1-47  | IGLV5-39 |
| IGHV2-26     | IGHV3-72   | IGHV7-4-1    | IGKV2-28  | IGLV1-51  | IGLV5-45 |
| IGHV2-5      | IGHV3-73   | IGKV1-12     | IGKV2-30  | IGLV10-54 | IGLV6-57 |
| IGHV2-70     | IGHV3-74   | IGKV1-16     | IGKV2D-29 | IGLV2-11  | IGLV7-43 |
| IGHV3-11     | IGHV3-9    | IGKV1-17     | IGKV2D-40 | IGLV2-14  | IGLV7-46 |
| IGHV3-13     | IGHV4-28   | IGKV1-27     | IGKV3-11  | IGLV2-18  |          |
| IGHV3-15     | IGHV4-30-4 | IGKV1-33     | IGKV3-15  | IGLV2-23  |          |
|              |            |              |           |           | NA       |