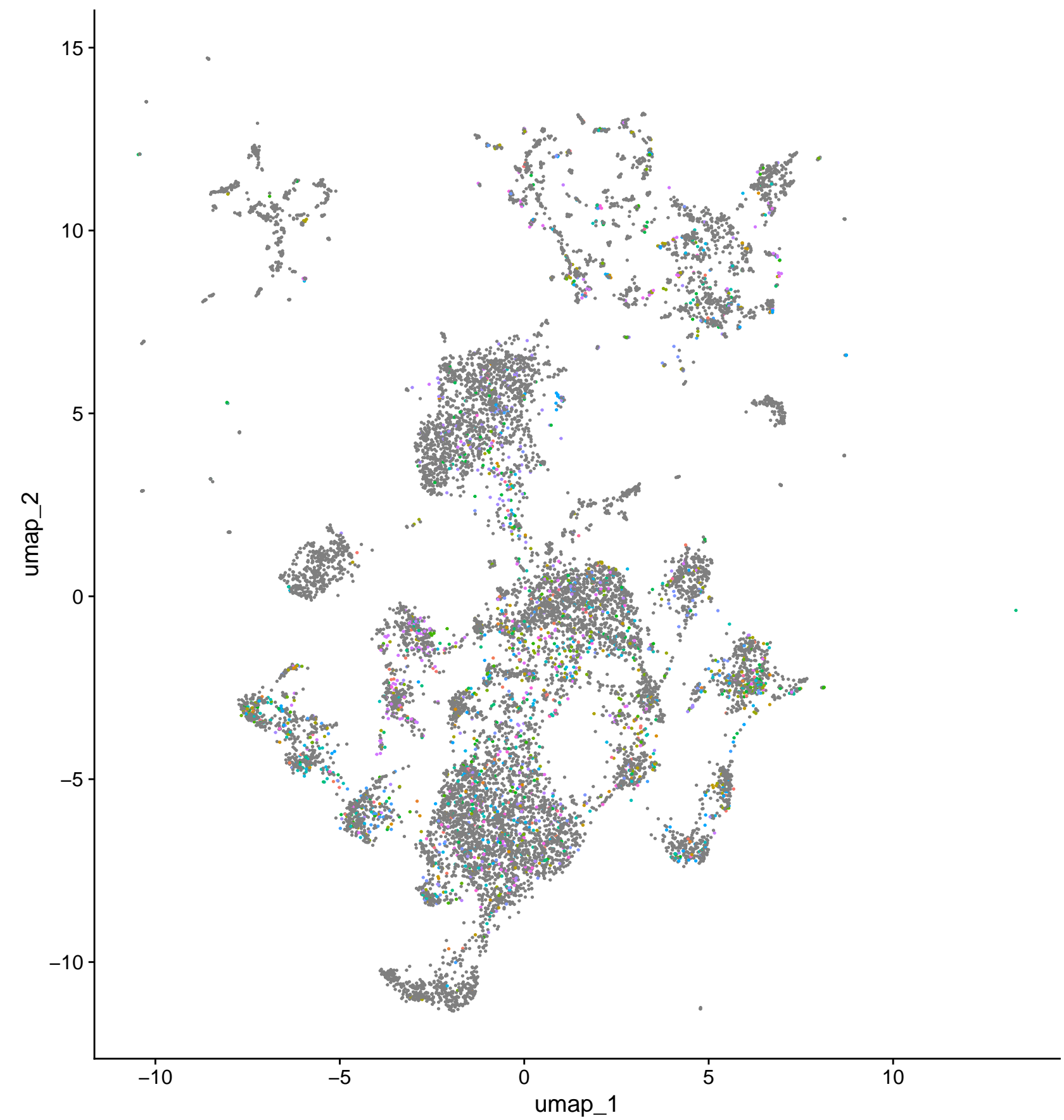


TCR v gene, contig 3

HH119-SI-PP-CD19-Pool1



- | | | | | |
|------------|------------|-----------|-----------|----------|
| IGHV1-18 | IGHV3-30 | IGHV6-1 | IGKV2D-30 | IGLV3-10 |
| IGHV1-2 | IGHV3-33 | IGKV1-12 | IGKV2D-40 | IGLV3-12 |
| IGHV1-24 | IGHV3-43 | IGKV1-16 | IGKV3-11 | IGLV3-19 |
| IGHV1-3 | IGHV3-48 | IGKV1-17 | IGKV3-15 | IGLV3-21 |
| IGHV1-45 | IGHV3-49 | IGKV1-27 | IGKV3-20 | IGLV3-25 |
| IGHV1-46 | IGHV3-53 | IGKV1-33 | IGKV3D-15 | IGLV3-27 |
| IGHV1-58 | IGHV3-7 | IGKV1-39 | IGKV3D-20 | IGLV3-9 |
| IGHV1-69 | IGHV3-72 | IGKV1-5 | IGKV4-1 | IGLV4-3 |
| IGHV1-69-2 | IGHV3-73 | IGKV1-6 | IGKV6D-21 | IGLV4-60 |
| IGHV1-69D | IGHV3-74 | IGKV1-8 | IGLV1-36 | IGLV4-69 |
| IGHV1-8 | IGHV3-9 | IGKV1-9 | IGLV1-40 | IGLV5-37 |
| IGHV2-26 | IGHV4-30-4 | IGKV1D-13 | IGLV1-44 | IGLV5-45 |
| IGHV2-5 | IGHV4-31 | IGKV1D-16 | IGLV1-47 | IGLV5-52 |
| IGHV2-70 | IGHV4-34 | IGKV1D-17 | IGLV1-51 | IGLV6-57 |
| IGHV2-70D | IGHV4-38-2 | IGKV2-24 | IGLV2-11 | IGLV7-43 |
| IGHV3-11 | IGHV4-39 | IGKV2-28 | IGLV2-14 | IGLV7-46 |
| IGHV3-13 | IGHV4-4 | IGKV2-30 | IGLV2-18 | IGLV8-61 |
| IGHV3-15 | IGHV4-59 | IGKV2D-24 | IGLV2-23 | IGLV9-49 |
| IGHV3-21 | IGHV4-61 | IGKV2D-26 | IGLV2-8 | |
| IGHV3-23 | IGHV5-51 | IGKV2D-29 | IGLV3-1 | |
- NA