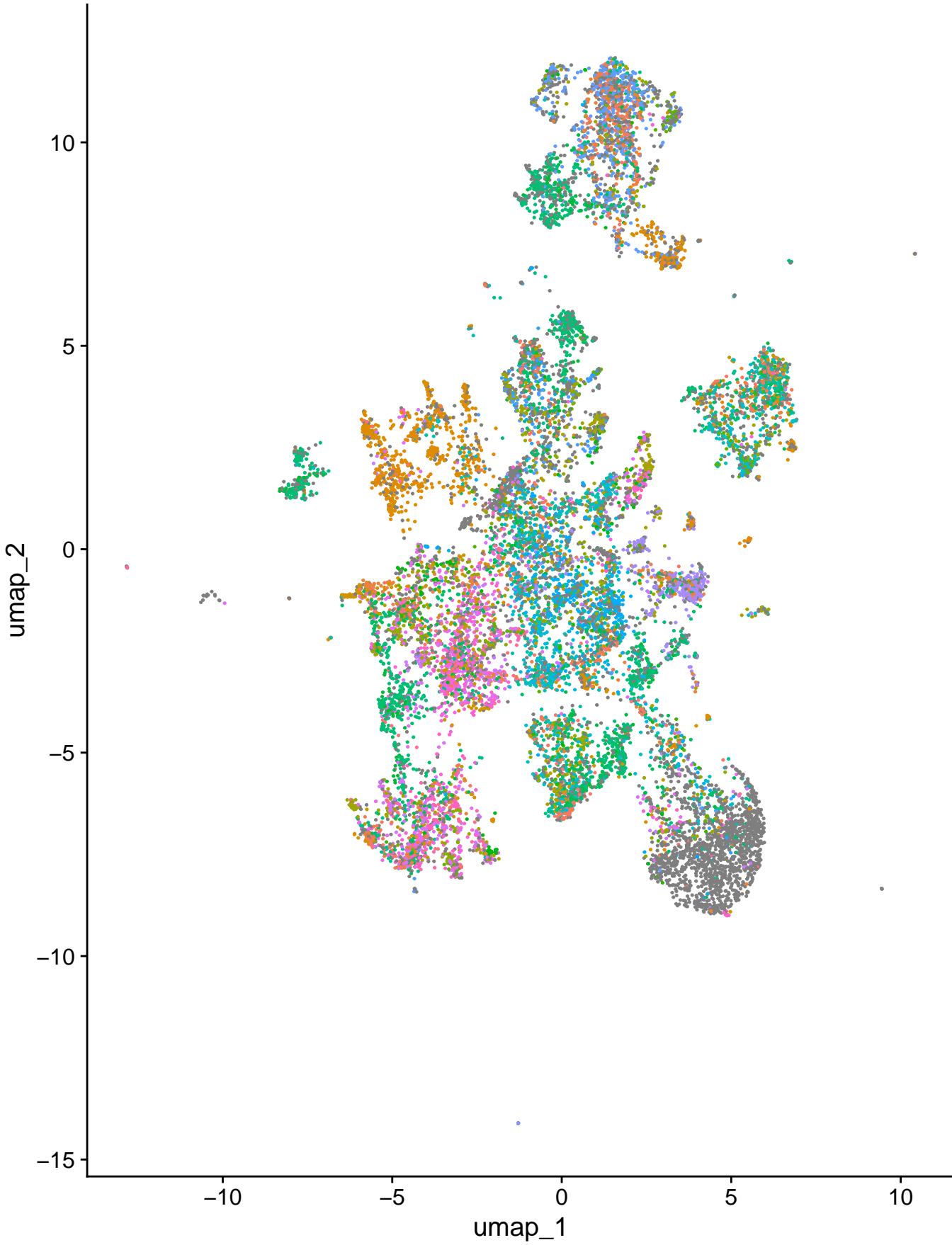


TCR v gene, contig 1

HH119-COLP-PC



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|--------------|------------|--------------|---------------|-----------|----------|
| IGHV1-18 | IGHV3-20 | IGHV4-34 | IGKV1-8 | IGKV3D-20 | IGLV3-25 |
| IGHV1-2 | IGHV3-21 | IGHV4-38-2 | IGKV1-9 | IGKV4-1 | IGLV3-27 |
| IGHV1-24 | IGHV3-23 | IGHV4-39 | IGKV1/OR2-108 | IGKV5-2 | IGLV3-9 |
| IGHV1-3 | IGHV3-30 | IGHV4-4 | IGKV1D-13 | IGKV6-21 | IGLV4-60 |
| IGHV1-45 | IGHV3-33 | IGHV4-59 | IGKV1D-16 | IGKV6D-21 | IGLV4-69 |
| IGHV1-46 | IGHV3-43 | IGHV4-61 | IGKV1D-17 | IGLV1-36 | IGLV5-39 |
| IGHV1-58 | IGHV3-48 | IGHV4/OR15-8 | IGKV1D-8 | IGLV1-40 | IGLV5-45 |
| IGHV1-69 | IGHV3-49 | IGHV5-51 | IGKV2-24 | IGLV1-44 | IGLV5-52 |
| IGHV1-69-2 | IGHV3-53 | IGHV6-1 | IGKV2-28 | IGLV1-47 | IGLV6-57 |
| IGHV1-69D | IGHV3-64 | IGHV7-4-1 | IGKV2-30 | IGLV1-51 | IGLV7-43 |
| IGHV1-8 | IGHV3-64D | IGHV7-81 | IGKV2D-29 | IGLV2-11 | IGLV7-46 |
| IGHV1/OR15-1 | IGHV3-7 | IGKV1-12 | IGKV2D-30 | IGLV2-14 | IGLV8-61 |
| IGHV2-26 | IGHV3-72 | IGKV1-16 | IGKV2D-40 | IGLV2-18 | IGLV9-49 |
| IGHV2-5 | IGHV3-73 | IGKV1-17 | IGKV3-11 | IGLV2-23 | NA |
| IGHV2-70 | IGHV3-74 | IGKV1-27 | IGKV3-15 | IGLV2-8 | |
| IGHV2-70D | IGHV3-9 | IGKV1-33 | IGKV3-20 | IGLV3-1 | |
| IGHV3-11 | IGHV4-28 | IGKV1-39 | IGKV3/OR2-268 | IGLV3-10 | |
| IGHV3-13 | IGHV4-30-4 | IGKV1-5 | IGKV3D-11 | IGLV3-19 | |
| IGHV3-15 | IGHV4-31 | IGKV1-6 | IGKV3D-15 | IGLV3-21 | |