clones

- IGHV1−18*01.IGHD4−23*01.IGHJ3*02.IGHG2_NA
- IGHV1−8*01.IGHD1−1*01.IGHJ4*02.IGHG1_NA
- IGHV3−15*01.IGHD1−26*01.IGHJ4*02.IGHA1_IGKV4−1*01.IGKJ1*01.IGKC;IGLV1−51*01.IGLJ1*01.IGLC1
- IGHV3−23*01.IGHD3−10*01.IGHJ6*02.IGHA1_NA
- IGHV3−30*01.IGHD6−6*01.IGHJ6*02.IGHA1_IGKV3D−15*01.IGKJ4*01.IGKC;IGLV9−49*02.IGLJ3*02.IGLC3_IGLC7
- IGHV3−48*01.IGHD6−19*01.IGHJ5*02.IGHG4_NA
- IGHV4−39*01.IGHD3−16*01.IGHJ4*02.IGHG2_NA
- IGHV5−51*01.IGHD1−26*01.IGHJ6*02.IGHG1_NA
- NA_IGKV3−20*01.IGKJ1*01.IGKC
- NA_IGKV4−1*01.IGKJ1*01.IGKC
- NA_IGLV5−45*01.IGLJ3*02.IGLC2
- NA_IGLV6−57*01.IGLJ3*02.IGLC2
- IGHV1−69*02.IGHD2−2*02.IGHJ6*02.IGHG2_IGKV4−1*01.IGKJ1*01.IGKC;IGLV1−36*01.IGLJ2*01.IGLC3_IGLC7
- IGHV1−8*01.IGHD1−1*01.IGHJ4*02.IGHG1_IGKV3D−15*01.IGKJ4*01.IGKC;IGLV1−40*01.IGLJ1*01.IGLC1
- IGHV3−23*01.IGHD6−19*01.IGHJ4*02.IGHG2_NA
- IGHV3−66*01.IGHD1−26*01.IGHJ4*02.IGHA1_NA

clones

- NA_IGKV3−20*01.IGKJ1*01.IGKC
- NA_IGKV4−1*01.IGKJ1*01.IGKC
- IGHV3−7*03.IGHD2−15*01.IGHJ4*02.IGHG2_IGLV2−11*01.IGLJ1*01.IGLC1
- IGHV3−23*01.IGHD3−16*02.IGHJ3*02.IGHM_IGKV3−20*01.IGKJ1*01.IGKC
- IGHV3−48*01.IGHD6−19*01.IGHJ5*02.IGHG4_IGKV3−11*01.IGKJ2*01.IGKC
- IGHV3−48*01.NA.IGHJ4*02.IGHA1_IGKV4−1*01.IGKJ1*01.IGKC;IGLV6−57*01.IGLJ3*02.IGLC2
- IGHV3−48*03.NA.IGHJ4*02.IGHA1_IGKV3−11*01.IGKJ2*01.IGKC
- IGHV4−31*02.IGHD5−24*01.IGHJ5*02.IGHM_IGKV3−15*01.IGKJ5*01.IGKC;IGLV4−69*01.IGLJ3*02.IGLC2
- IGHV4−39*01.IGHD4−11*01.IGHJ2*01.IGHM_IGKV2D−26*01.IGKJ5*01.IGKC;IGLV3−25*03.IGLJ3*02.IGLC2
- IGHV4−4*07.IGHD1−7*01.IGHJ6*02.IGHA2_NA
- IGHV4−61*03.IGHD3−22*01.IGHJ4*02.IGHA2_IGKV1−6*01.IGKJ1*01.IGKC;IGLV6−57*01.IGLJ3*02.IGLC2
- IGHV1−46*03.IGHD3−3*01.IGHJ5*02.IGHM_IGKV3−15*01.IGKJ1*01.IGKC
- IGHV1−46*03.IGHD6−19*01.IGHJ4*02.IGHM_IGLV1−47*01.IGLJ3*02.IGLC2
- IGHV3−11*05.IGHD5−24*01.IGHJ3*02.IGHM_IGLV1−51*01.IGLJ1*01.IGLC1
- IGHV3−15*01.IGHD6−19*01.IGHJ4*02.IGHM_IGKV1−33*01.IGKJ2*01.IGKC;IGLV1−36*01.IGLJ3*02.IGLC2
- IGHV3−23*01.IGHD3−16*02.IGHJ4*02.IGHM_IGKV6D−21*02.IGKJ5*01.IGKC;IGLV2−14*01.IGLJ3*02.IGLC2
- IGHV3−23*01.IGHD3−3*01.IGHJ6*02.IGHM_IGKV1−39*01.IGKJ1*01.IGKC
- IGHV3−23*01.IGHD4−17*01.IGHJ5*02.IGHM_IGKV1−16*01.IGKJ4*01.IGKC;IGLV3−9*02.IGLJ1*01.IGLC1
- IGHV3−48*03.IGHD3−22*01.IGHJ4*02.IGHM_IGKV1−39*01.IGKJ4*01.IGKC;IGLV1−36*01.IGLJ2*01.IGLC2
- IGHV3−48*03.IGHD6−19*01.IGHJ4*02.IGHM_IGLV4−69*01.IGLJ3*02.IGLC2

clones

- IGHV3−11*01.IGHD2−15*01.IGHJ4*02.IGHG2_NA
- IGHV3−15*01.IGHD1−26*01.IGHJ4*02.IGHG2_NA
- IGHV4−4*07.IGHD1−7*01.IGHJ6*02.IGHA2_NA
- IGHV1−2*02.IGHD3−22*01.IGHJ4*02.IGHM_IGKV2−28*01.IGKJ1*01.IGKC
- IGHV3−23*01.IGHD3−22*01.IGHJ3*02.IGHG1_IGKV1−5*03.IGKJ1*01.IGKC
- IGHV3−30*02.NA.IGHJ4*02.IGHM_IGKV2D−29*01.IGKJ3*01.IGKC
- IGHV3−33*01.IGHD2−8*01.IGHJ4*02.IGHM_IGKV3−15*01.IGKJ1*01.IGKC
- IGHV3−33*01.IGHD6−13*01.IGHJ4*02.IGHG1_NA
- IGHV3−7*04.IGHD2−15*01.IGHJ4*02.IGHG1_IGKV2−28*01.IGKJ4*01.IGKC;IGLV3−10*01.IGLJ1*01.IGLC1
- IGHV4−39*01.IGHD5−12*01.IGHJ4*02.IGHG3_IGLV1−51*01.IGLJ2*01.IGLC2
- IGHV4−61*03.IGHD3−10*01.IGHJ3*02.IGHD_IGKV4−1*01.IGKJ3*01.IGKC
- IGHV1−18*01.IGHD3−10*01.IGHJ3*02.IGHG2_IGLV4−69*01.IGLJ3*02.IGLC2
- IGHV1−2*02.IGHD3−16*01.IGHJ1*01.IGHM_NA
- IGHV1−46*01.IGHD2−2*01.IGHJ6*03.IGHM_NA
- IGHV1−69*01.IGHD2−2*01.IGHJ6*02.IGHG1_IGLV1−47*01.IGLJ2*01.IGLC2
- IGHV3−23*01.IGHD2−21*02.IGHJ1*01.IGHM_IGKV3−20*01.IGKJ1*01.IGKC
- IGHV3−48*03.NA.IGHJ4*02.IGHA1_NA
- IGHV4−30−2*03.IGHD3−22*01.IGHJ4*02.IGHA1_IGKV1−6*01.IGKJ3*01.IGKC;IGLV6−57*01.IGLJ3*02.IGLC2
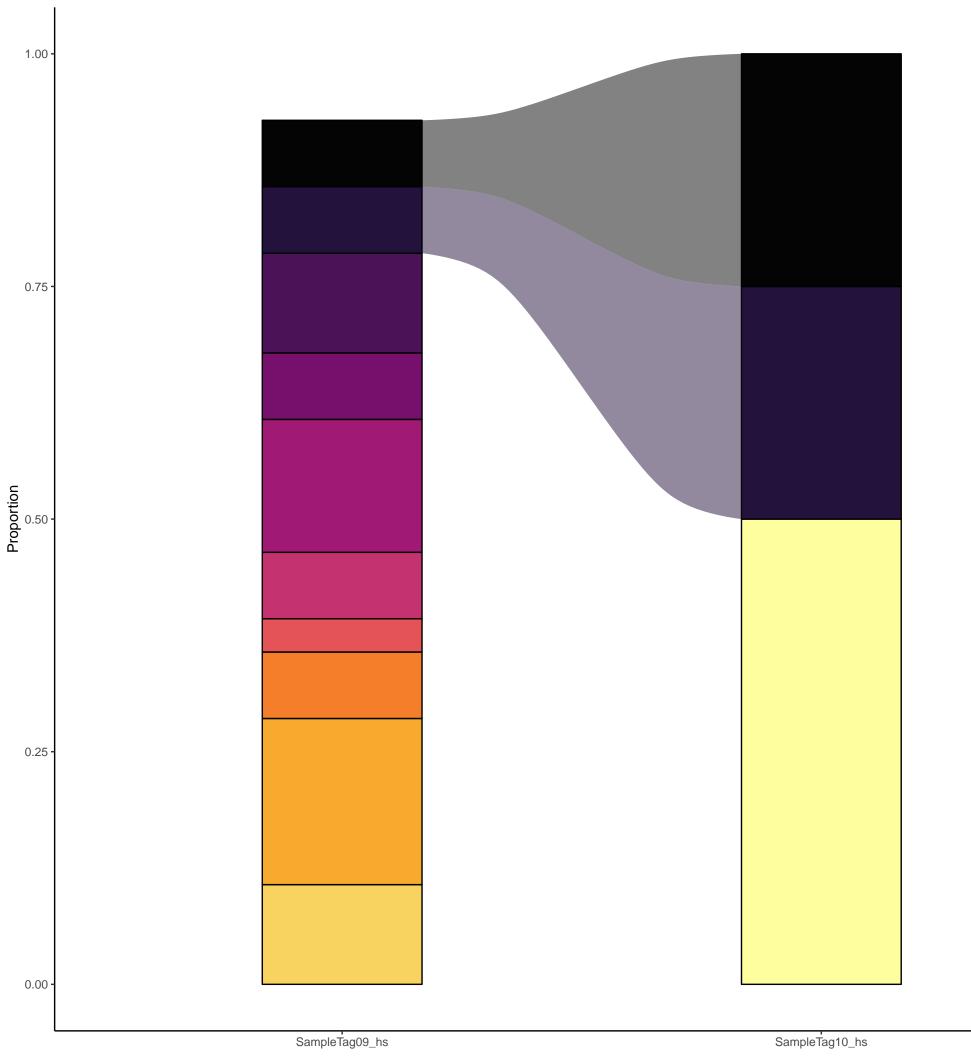- IGHV4−34*01.IGHD2−8*02.IGHJ6*02.IGHG1_IGLV3−21*04.IGLJ1*01.IGLC1

clones
- IGHV3−48*01.IGHD6−19*01.IGHJ5*02.IGHG4_NA
- IGHV4−39*01.IGHD3−16*01.IGHJ4*02.IGHG2_NA
- NA_IGKV3−11*01.IGKJ2*01.IGKC
- NA_IGKV4−1*01.IGKJ1*01.IGKC
- NA_IGLV2−11*01.IGLJ1*01.IGLC1
- NA_IGLV6−57*01.IGLJ3*02.IGLC2
- NA_IGKV3−11*01.IGKJ3*01.IGKC
- IGHV1−2*02.IGHD3−16*01.IGHJ1*01.IGHM_NA
- IGHV1−69*02.IGHD2−2*02.IGHJ6*02.IGHG2_NA
- IGHV1−69*05.IGHD3−10*01.IGHJ4*02.IGHM_IGLV2−14*01.IGLJ3*02.IGLC2
- IGHV4−59*01.IGHD6−19*01.IGHJ4*02.IGHD_IGKV3D−20*01.IGKJ3*01.IGKC
- NA_IGLV1−36*01.IGLJ3*02.IGLC2
- IGHV1−2*01.IGHD1−26*01.IGHJ5*02.IGHA1_IGKV3−20*01.IGKJ2*02.IGKC
- IGHV1−2*02.IGHD3−10*01.IGHJ4*02.IGHM_IGLV2−23*01.IGLJ2*01.IGLC2
- IGHV1−69*02.IGHD2−2*01.IGHJ6*02.IGHG2_NA
- IGHV3−23*01.IGHD6−19*01.IGHJ4*02.IGHM_IGKV3−20*01.IGKJ3*01.IGKC;IGLV3−1*01.IGLJ2*01.IGLC2
- IGHV3−7*03.IGHD2−15*01.IGHJ4*02.IGHG2_NA
- IGHV4−38−2*02.IGHD2−15*01.IGHJ4*02.IGHA1_IGKV1−27*01.IGKJ5*01.IGKC
- IGHV4−59*01.IGHD1−26*01.IGHJ3*02.IGHM_IGKV2D−29*01.IGKJ4*01.IGKC

clones

- IGHV3–30*01.IGHD2–2*02.IGHJ6*02.IGHG2_NA
- IGHV5–51*01.IGHD1–26*01.IGHJ6*02.IGHG1_NA
- NA_IGKV2–28*01.IGKJ3*01.IGKC
- NA_IGKV2D–29*01.IGKJ4*01.IGKC
- NA_IGKV3–11*01.IGKJ2*01.IGKC
- NA_IGKV3–20*01.IGKJ1*01.IGKC
- NA_IGKV4–1*01.IGKJ1*01.IGKC
- NA_IGKV4–1*01.IGKJ5*01.IGKC
- IGHV3–23*01.IGHD6–19*01.IGHJ4*02.IGHG2_NA
- NA_IGKV3–11*01.IGKJ3*01.IGKC
- IGHV1–2*02.IGHD3–16*01.IGHJ1*01.IGHM_NA
- IGHV1–2*01.IGHD1–26*01.IGHJ5*02.IGHA1_IGKV3–20*01.IGKJ2*02.IGKC
- IGHV3–15*01.IGHD1–26*01.IGHJ4*02.IGHG2_IGLV1–51*01.IGLJ1*01.IGLC1
- IGHV3–53*01.IGHD3–10*01.IGHJ4*02.IGHA1_IGKV3D–15*01.IGKJ4*01.IGKC
- IGHV3–11*01.IGHD4–17*01.IGHJ4*02.IGHG2_IGKV2D–29*01.IGKJ4*01.IGKC