

Clonality report

ARResT/Interrogate version 1.99.8

Date: 04/11/2023

Abundance filtering range: 0 - 100 %

Junction aa length range: 7 - 24

Junction class sets with no data:

DJ:Dh-Jh,

VJ:Vk-Jk,

Vk/intron-Kde

| results.name | filtering | sample |
|----------------|------------------|----------------------------------|
| 2023_11_03lgHV | not pre-filtered | Marzena-Poli-259_S18_L001_R1_001 |

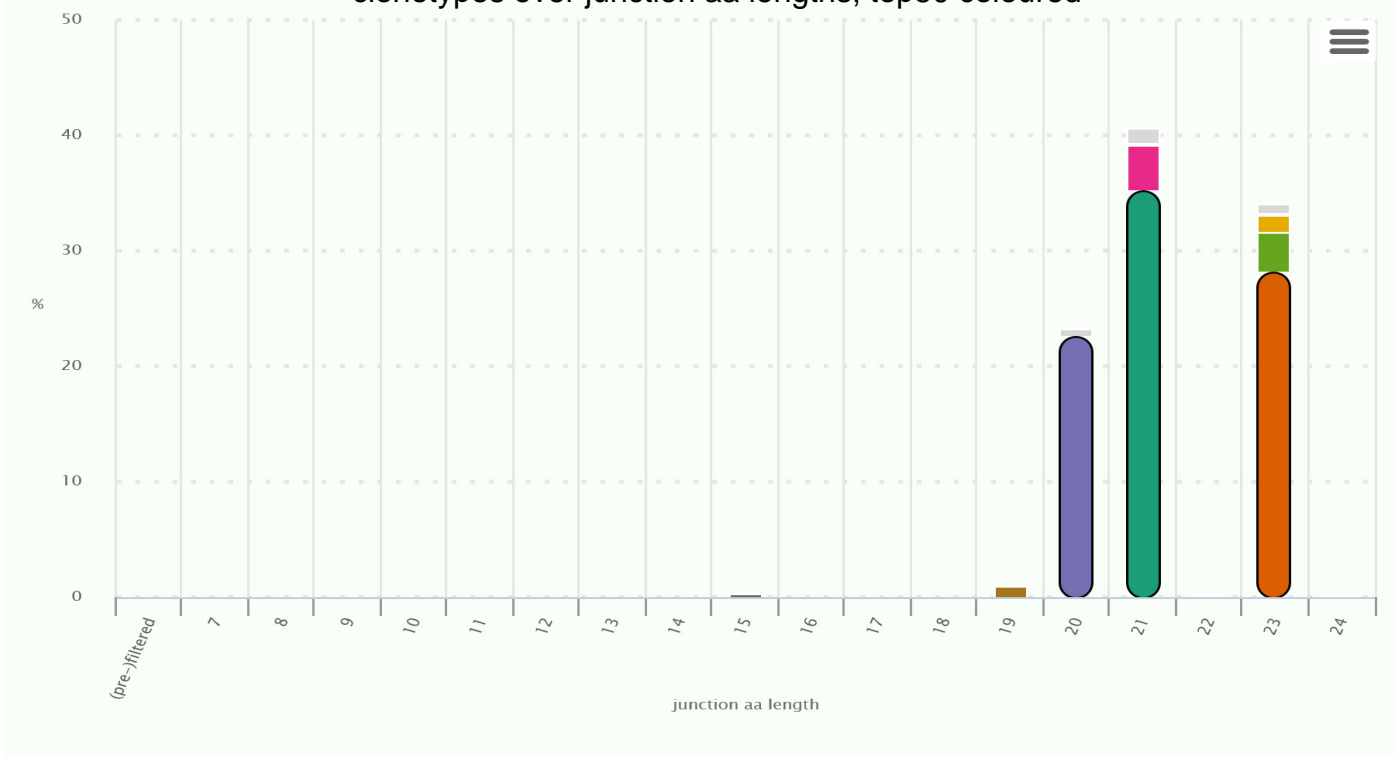
| QC status | QC report | raw reads | w ju(nction) | ... | species | short (<50nt) |
|-----------|-----------|-----------|--------------|--------|---------|---------------|
| pass | | 755417 | 673484 | 89.15% | 7 | 0.29% |

VJ:Vh-(Dh)-Jh junction class set

stats for junction class set

| | |
|------------------------------------|--------|
| reads for normalisation | 673484 |
| filtered-in clonotypes | 14564 |
| clonotype 1 to mean of 5+6+7 ratio | 17.64 |
| clonotype 2 to mean of 5+6+7 ratio | 14.07 |

clonotypes over junction aa lengths, top50 coloured



top15 clonotypes over junction aa lengths

| | genes and segmentation | seq | len | reads | norm. % |
|----|--------------------------|-------------------------|-----|--------|---------|
| 1 | V5-51 -1/36/-0 J4 | CARRGYSSSWPTHSLYYFDYW | 21 | 237616 | 35.28 |
| 2 | V4-39 -0/36/-11 J6 | CARQAQKLRYFDCPG#YYMDVW | 23 | 189587 | 28.15 |
| 3 | V1-69=V1-69D -0/29/-0 J5 | CAREGERFLEWSPYNWFDPW | 20 | 151946 | 22.56 |
| 4 | V3-30 -1/31/-10 J6 | CARVSLGGEFLSFRYYGMDVW | 21 | 25668 | 3.82 |
| 5 | V6-1 -1/38/-1 J2 | CARGPPPLSGSYPTVGWYFNLW | 23 | 23703 | 3.52 |
| 6 | V6-1 -1/38/-1 J2 | CARGPPPLSGSYPTVGWYFDLW | 23 | 10095 | 1.50 |
| 7 | V4-39 -0/37/-24 J6 | CARQAQKLRYFDCPGA#VW | 19 | 6619 | 0.98 |
| 8 | V7-4-1 -2/19/-2 J3 | CARPVPTTENAFDFW | 15 | 1659 | 0.25 |
| 9 | V4-39 -0/36/-11 J6 | CARQAQKLRYFDCPG#YYMDVW | 22 | 529 | 0.08 |
| 10 | V3-30=V3-33 -1/31/-10 J6 | CARVSLGGEFLSFRYYGMDVW | 21 | 432 | 0.06 |
| 11 | V5-51 -1/38/-2 J4 | CARRGYSSSWPTHSLYYFDYW | 21 | 418 | 0.06 |
| 12 | V3-21 -0/47/-3 J5 | CARDVTTTSNRREYNRGEWFDPW | 25 | 257 | 0.04 |
| 13 | V6-1 -1/38/-1 J2 | CARGPPPLSGSYPTVGWYFNLW | 24 | 218 | 0.03 |
| 14 | V3-30=V3-66 -1/31/-10 J6 | CARVSLGGEFLSFRYYGMDVW | 21 | 170 | 0.03 |
| 15 | V5-51 -1/36/-0 J4 | CARRGYSSSWHTSLYYFDYW | 21 | 148 | 0.02 |