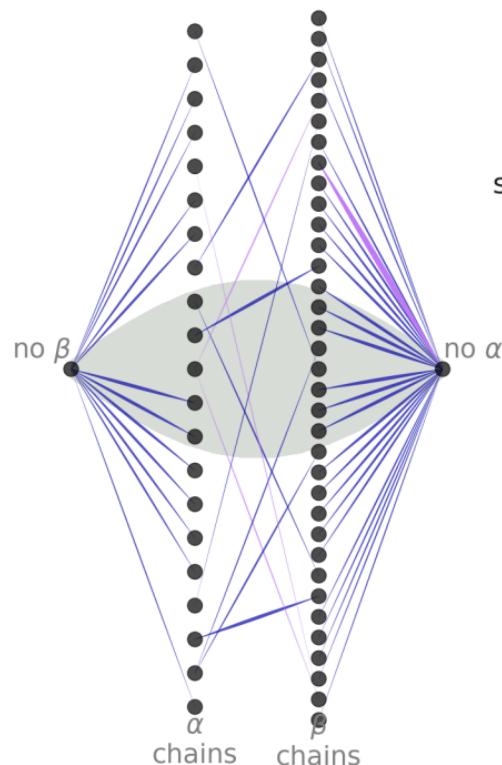


01_BE (WaG-BE)

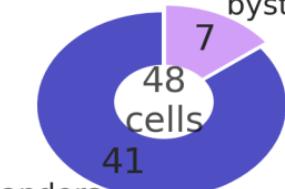
clonality rule: alpha or beta

α : TRAV26-1_AGTCGTTAGTG_TRAJ53, β : TRBV20-1_CTAGA(G)GACTAGCGGGCTCCT_TRBJ2-1

FACS: None



single bystanders



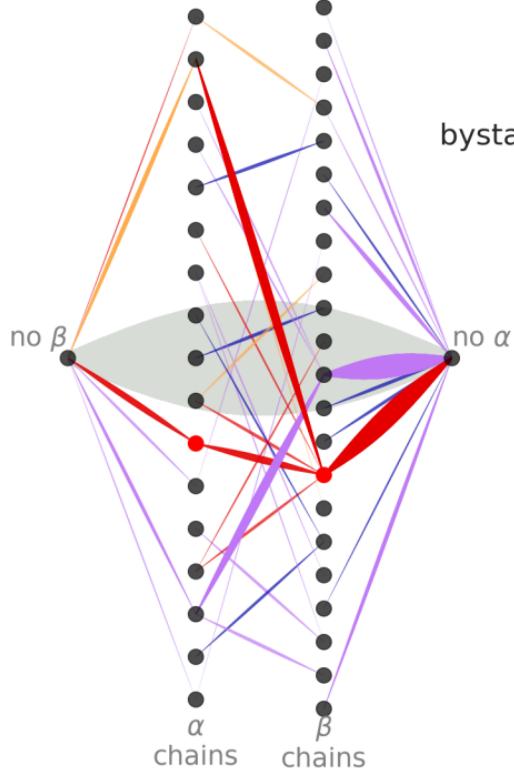
01_BL (WaG-BLC)

clonality rule: alpha or beta

α : TRAV26-1_AGTCGTTAGTG_TRAJ53, β : TRBV20-1_CTAGA(G)GACTAGCGGGCTCCT_TRBJ2-1

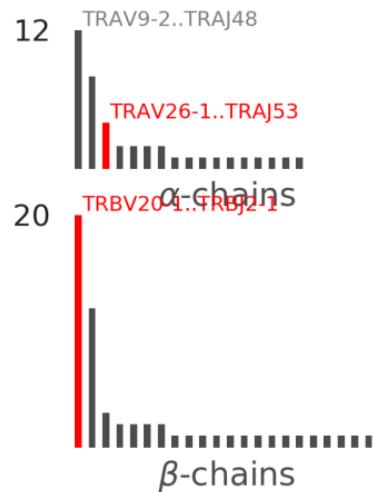
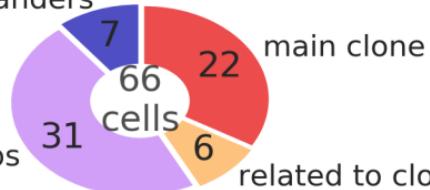
FACS: exp. 100% clonal

single bystanders



bystander groups

single bystanders

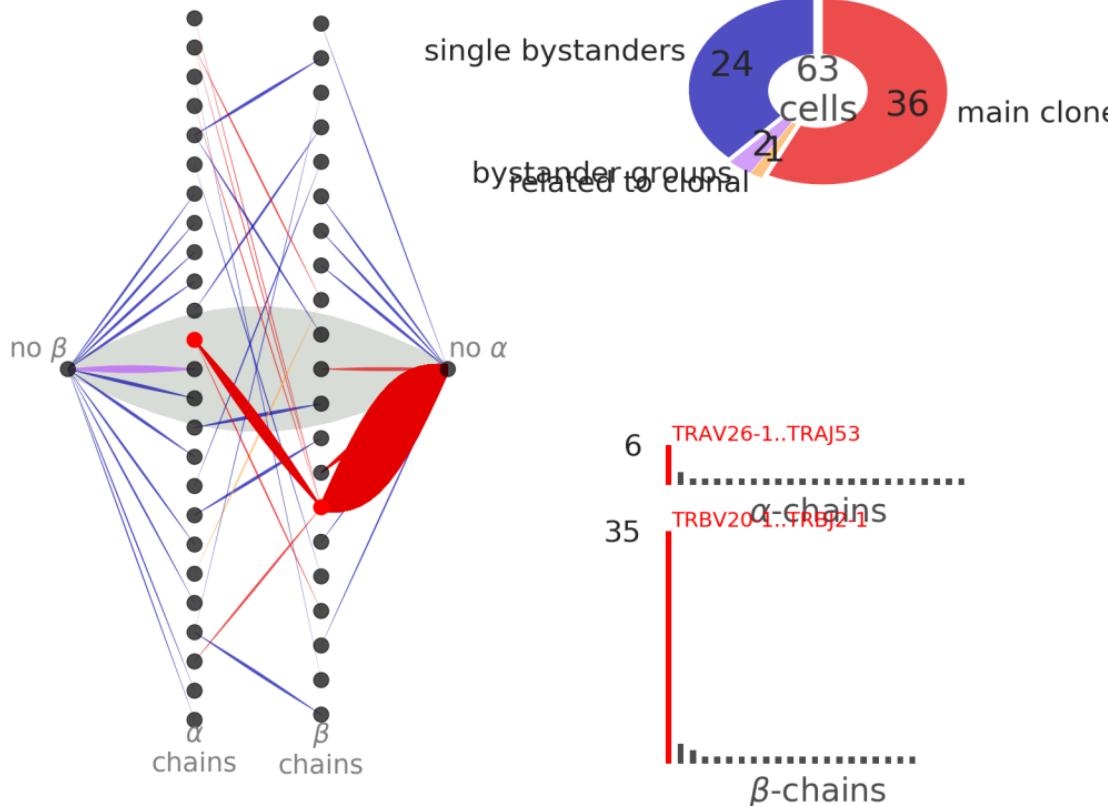


01_SE (WaG-SE)

clonality rule: alpha or beta

α : TRAV26-1_AGTCGTTAGTG_TRAJ53, β : TRBV20-1_CTAGA(G)GACTAGCGGGCTCCT_TRBJ2-1

FACS: None



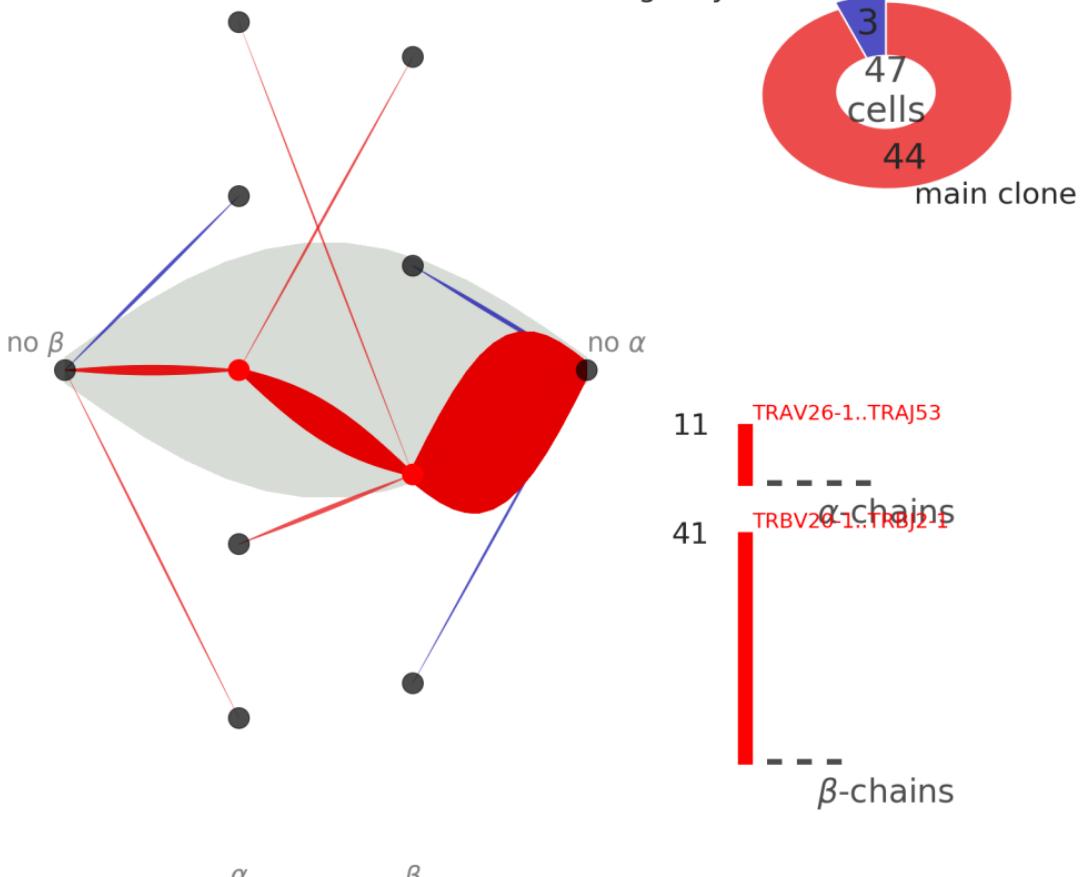
01_SL (WaG-SL)

clonality rule: alpha or beta

α : TRAV26-1_AGTCGTTAGTG_TRAJ53, β : TRBV20-1_CTAGA(G)GACTAGCGGGCTCCT_TRBJ2-1

FACS: None

single bystanders

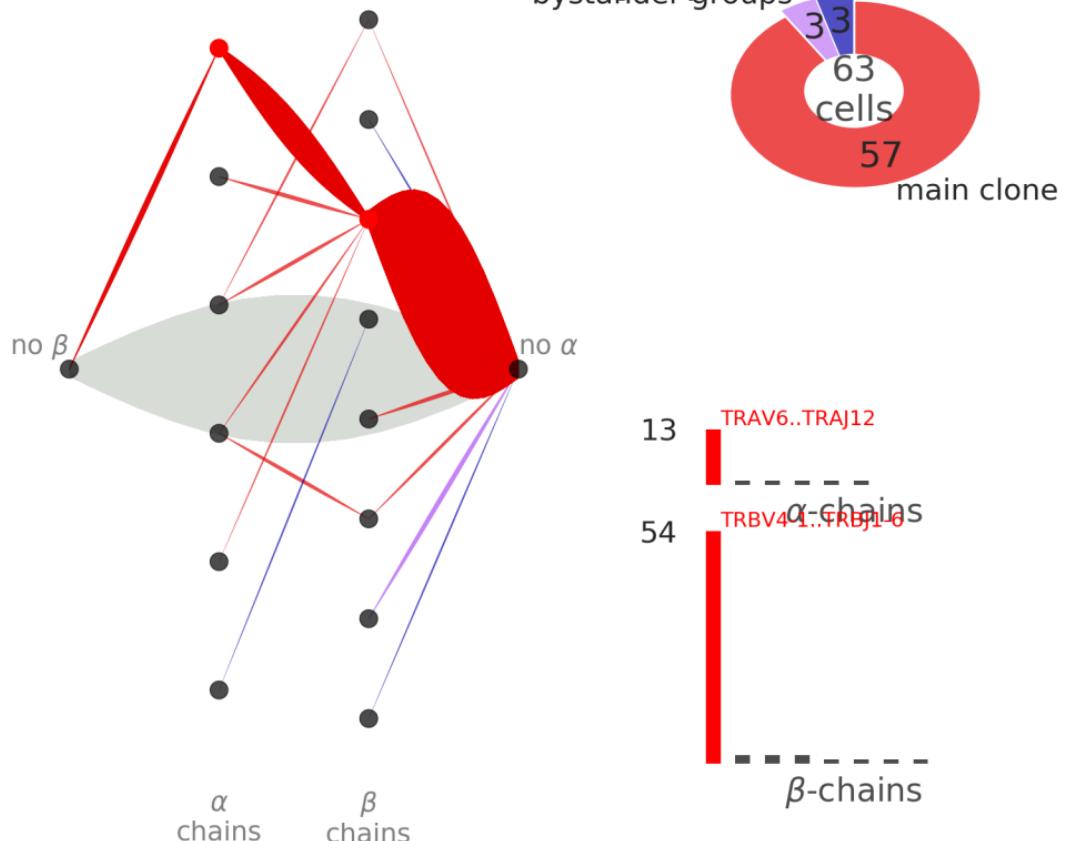


02_BE (FrK-BE)

clonality rule: alpha or beta

α : TRAV6_TGTGCCGTACGGGATA_TRAJ12, β : TRBV4-1_CCAAGCCCTCGGGGGGGATAAT_TRBJ1-6

FACS: (Vb 2, TRBV0-7)

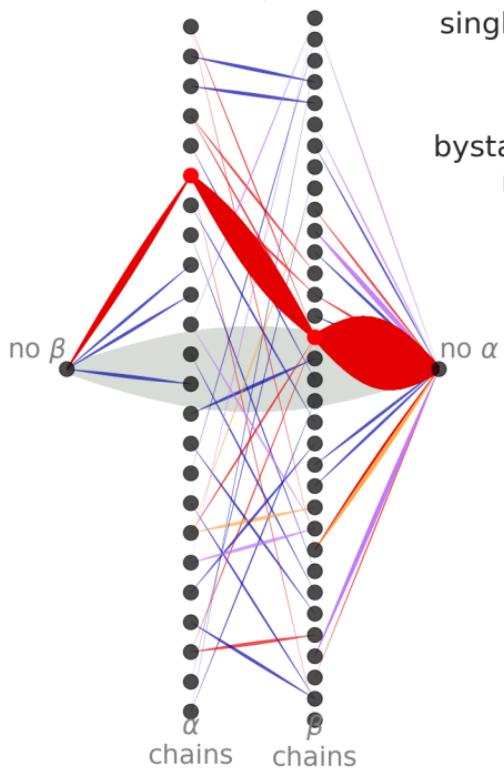


02_BL (FrK-BL)

clonality rule: alpha or beta

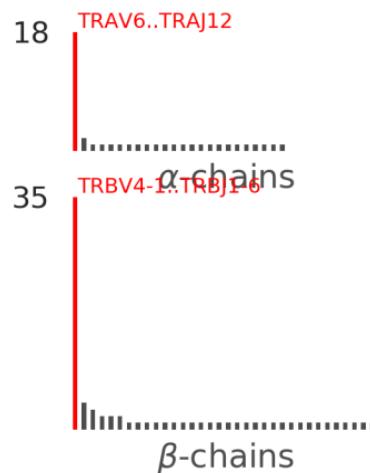
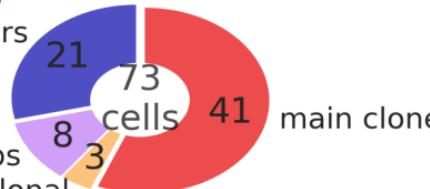
α : TRAV6_TGTGCCGTACGGGATA_TRAJ12, β : TRBV4-1_CCAAGCCCTCGGGGGGATAAT_TRBJ1-6

FACS: exp. 50% clonal (Vb 7.1, TRBV4-1/4-2/4-3)



single bystanders

bystander groups
related to clonal

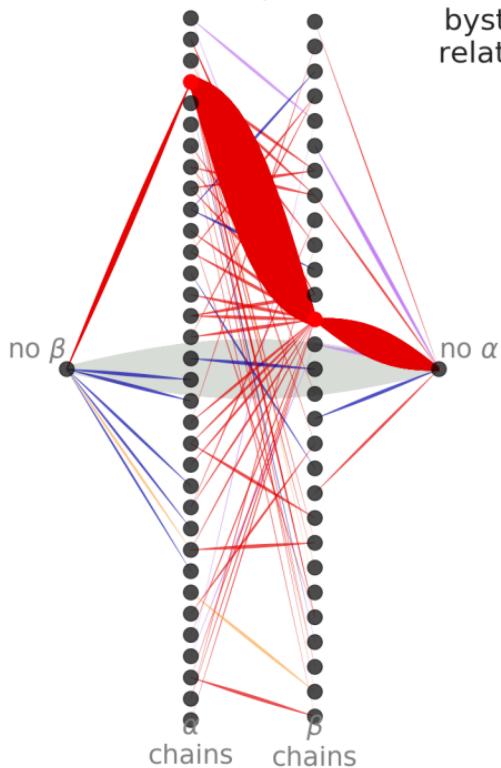


02_SE (FrK-SE)

clonality rule: alpha or beta

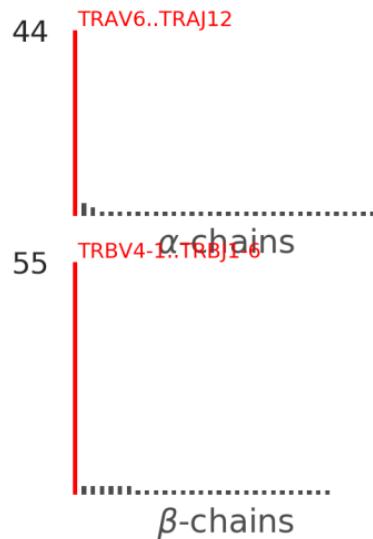
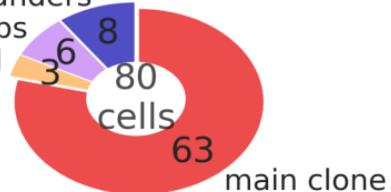
α : TRAV6_TGTGCCGTACGGGATA_TRAJ12, β : TRBV4-1_CCAAGCCCTCGGGGGGATAAT_TRBJ1-6

FACS: exp. 50% clonal (Vb 7.1, TRAJ12)



single bystanders
bystander groups
related to clonal

SINGLY BYSTANDERS

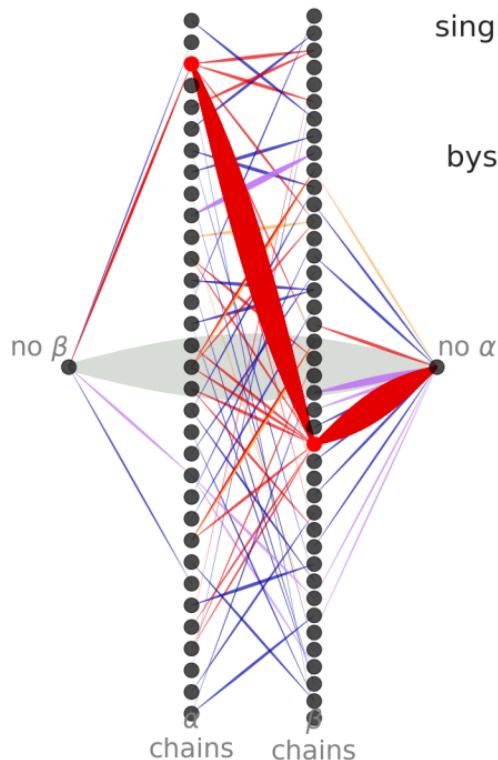


02_SL (FrK-SL)

clonality rule: alpha or beta

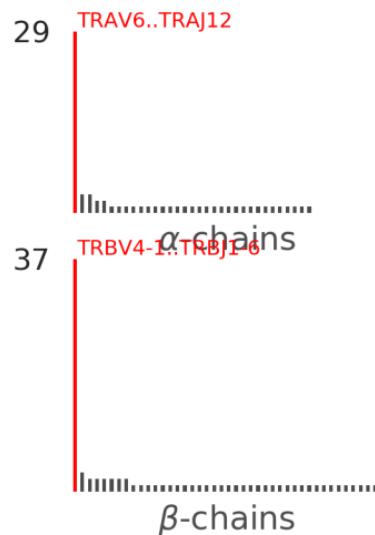
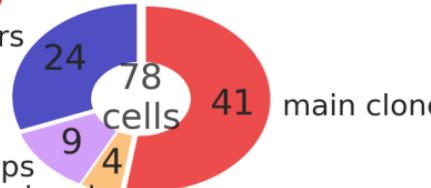
α : TRAV6_TGTGCCGTACGGGATA_TRAJ12, β : TRBV4-1_CCAAGCCCTCGGGGGGATAAT_TRBJ1-6

FACS: exp. 35% clonal (Vb 7.1, TRBV4-1/4-2/4-3)



single bystanders

bystander groups
related to clonal

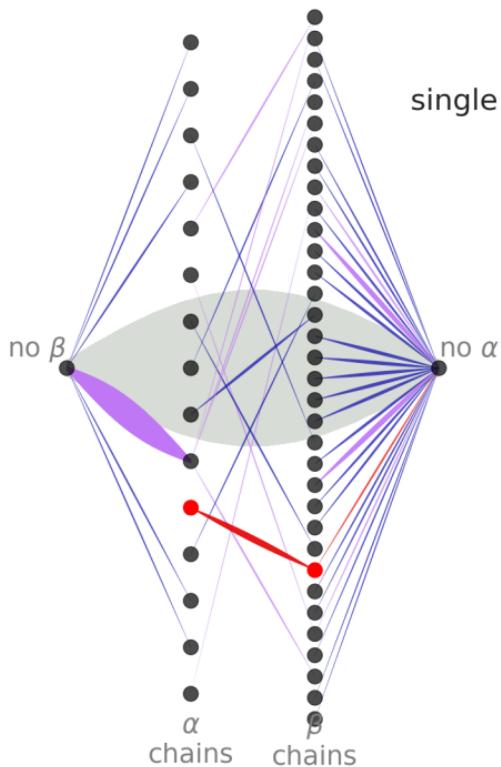


03_BE (SchH-BE)

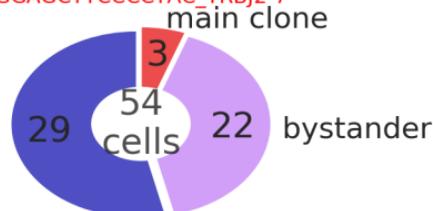
clonality rule: alpha or beta

α : TRAV12-2_TGAACCTGGGATA_TRAJ33, β : TRBV20-1_AGAGATTAACTAGCGGGAGCTTCCCTAC_TRBJ2-7

FACS: exp. 50% clonal (Vb 2, TRBV20-1)



single bystanders



13 TRAV13-1..TRAJ20

TRAV12-2..TRAJ33

α -chains

3 TRBV20-1..TRBJ2-7

β -chains

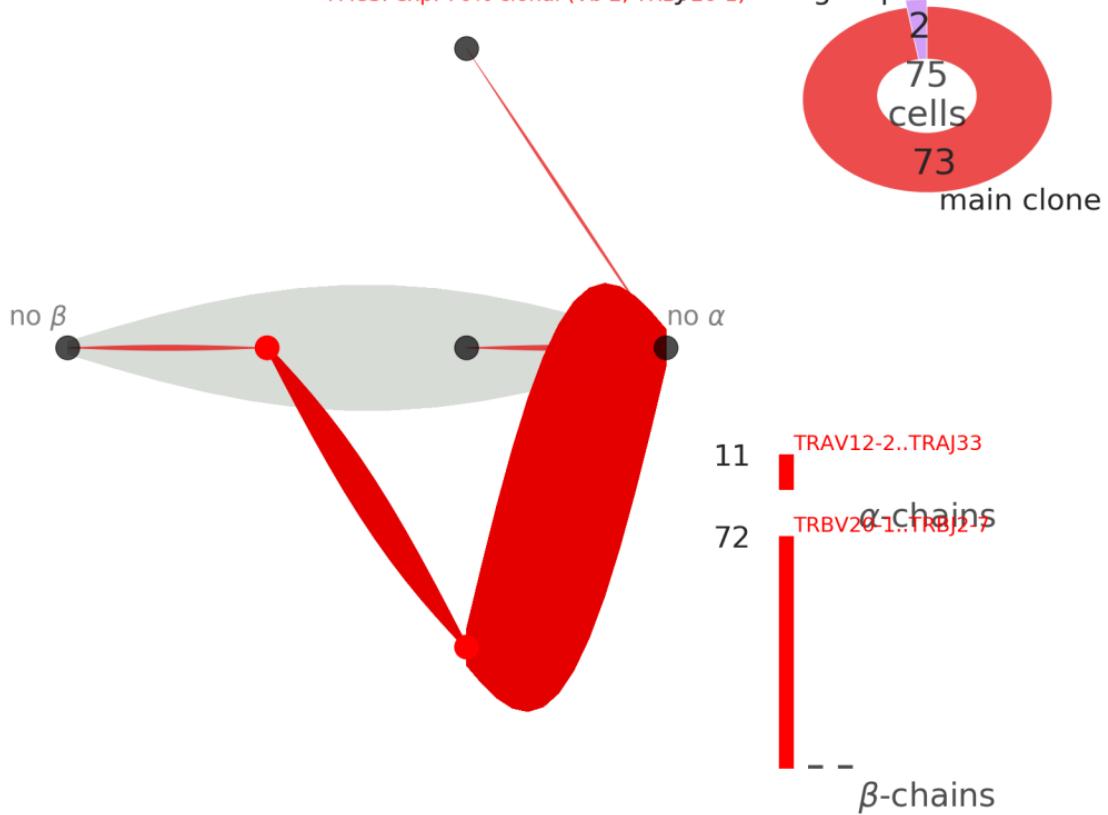
03_BL (SchH-BL)

clonality rule: alpha or beta

α : TRAV12-2_TGAACTGGGATA_TRAJ33, β : TRBV20-1_AGAGATTAACTAGCGGGAGCTTCCCTAC_TRBJ2-7

FACS: exp. 70% clonal (Vb 2, TRB 20-1)

bystander groups

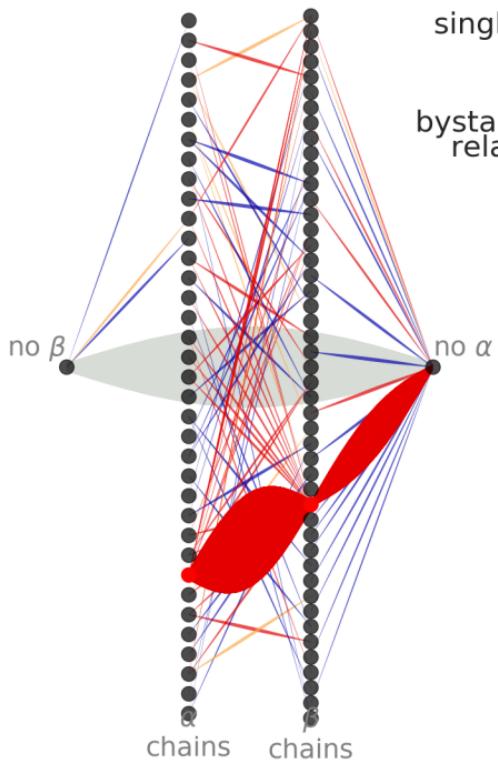


03_SE (SchH-SE)

clonality rule: alpha or beta

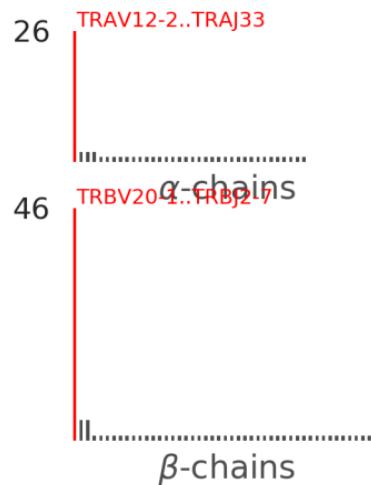
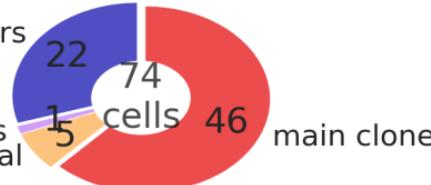
α : TRAV12-2_TGAACCTGGGATA_TRAJ33, β : TRBV20-1_AGAGATTAACTAGCAGGGAGCTTCCCTAC_TRBJ2-7

FACS: exp. 35% clonal (Vb 2, TRBV20-1)



single bystanders

bystander groups
related to clonal

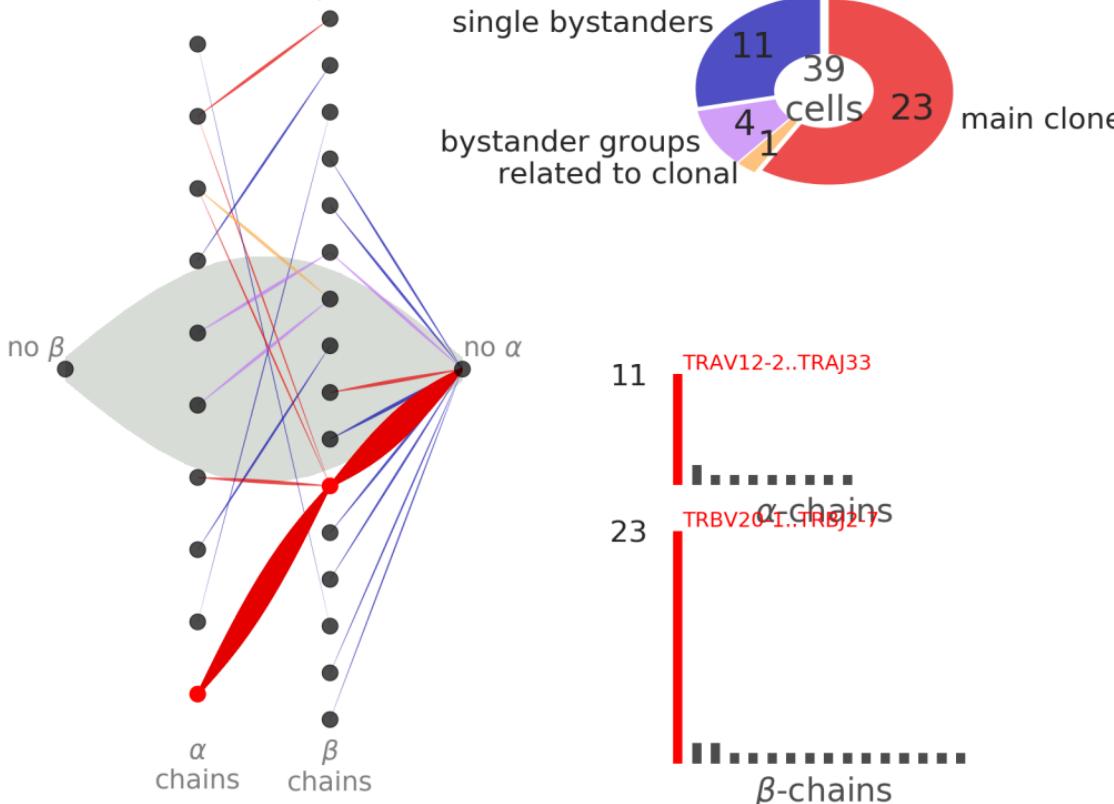


03_SL (SchH-SL)

clonality rule: alpha or beta

α : TRAV12-2_TGAACTGGGATA_TRAJ33, β : TRBV20-1_AGAGATTAACTAGCAGGGAGCTTCCCTAC_TRBJ2-7

FACS: exp. 45% clonal (Vb 2, TRBV20-1)

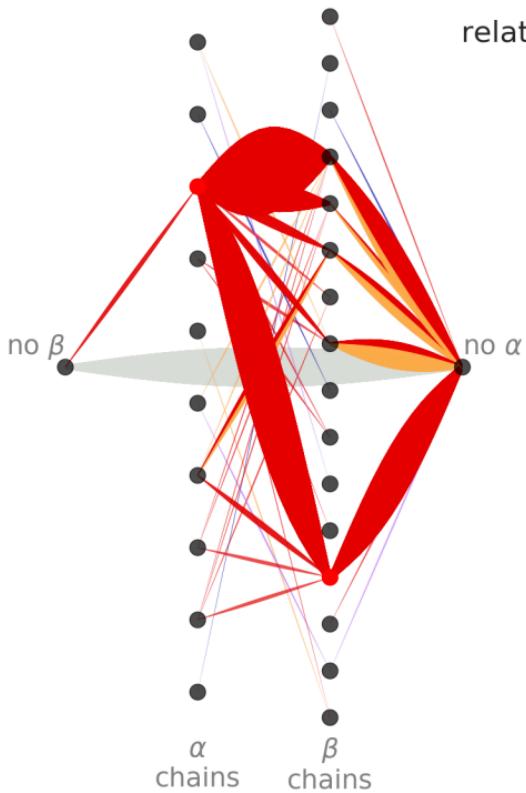


04_S (LaM)

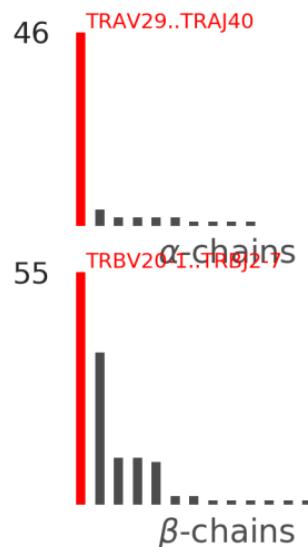
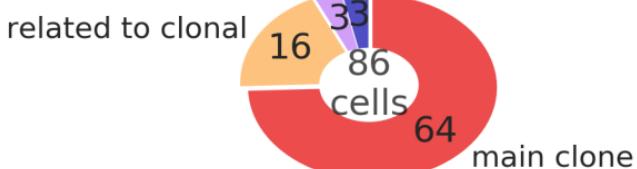
clonality rule: alpha or beta

α : TRAV29 DV5 CAAGCCGCACTAC TRAJ40, β : TRBV20-1 GTGCTCCCCGACTAGCAGGGAAAGCTTACCCCTAC TRBJ2-7

FACS: exp. 50% clonal (Vb 2, TRBV20-1)



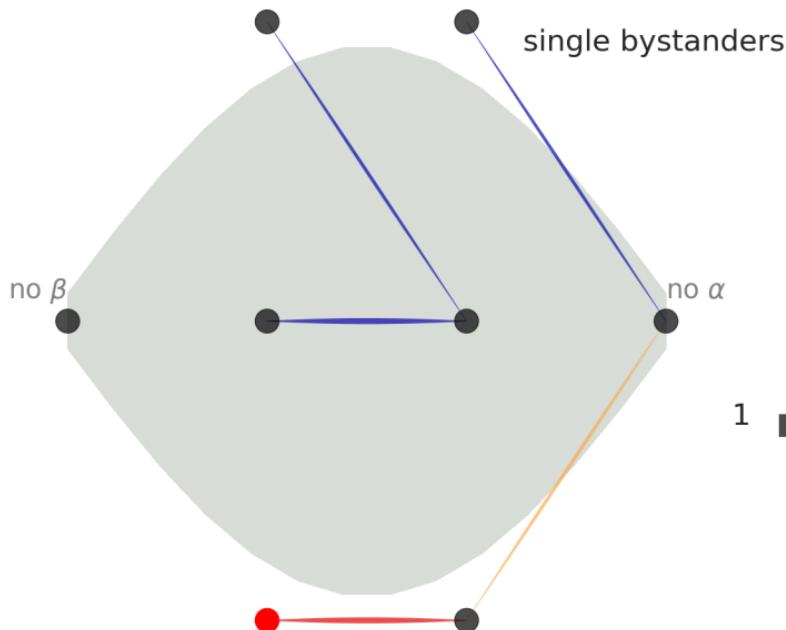
(Vb 2, TABV 20-1) by single bystanders



05_S (SchU)

clonality rule: alpha or beta

α : TRAV12-3_TGCAACATCA_TRAJ6, β : NoBeta
FACS: exp. 50% clonal (Vb 8, TRBV12-3/12-4)



1 ■■■ α -chains

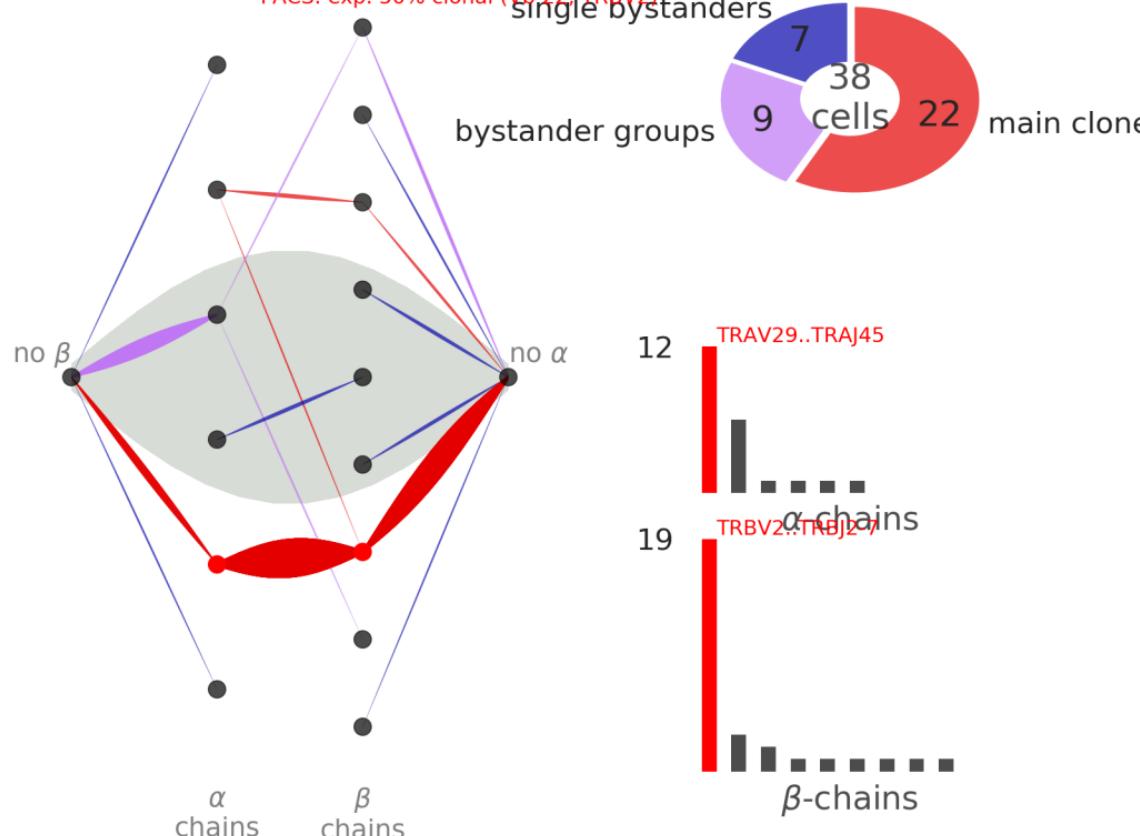
2 ■■■ TRBV10-3..TRBJ2-3
 β -chains

06_S (HuT)

clonality rule: alpha or beta

α : TRAV29_DV5_AGCAAATTCA_TRAJ45, β : TRBV2_CCAGC(AG)CGGGGACAGACTCTACG_TRBJ2-7

FACS: exp. 50% clonal (V β 22, TRBV2)



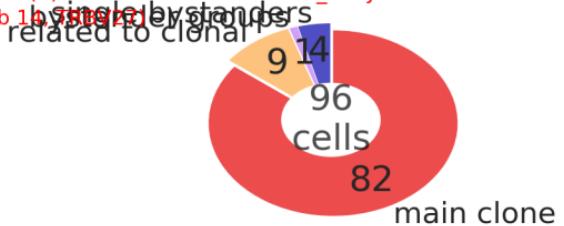
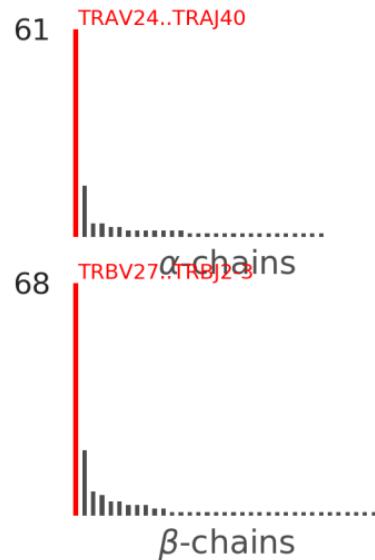
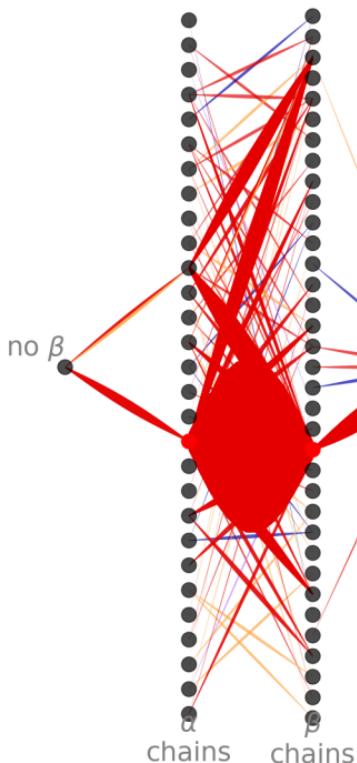
07_S (SaB)

clonality rule: alpha or beta

α : TRAV24_CCTTTCCCTCA_TRAJ40, β : TRBV27_AGTTT(A)CTAGCGGGGGGACAGA_TRBJ2-3

FACS: exp. 50% clonal (Vb 19, 20, 21, 22, 23)

↳ 50% by FACS
↳ 50% by clusters
↳ 50% related to clonal

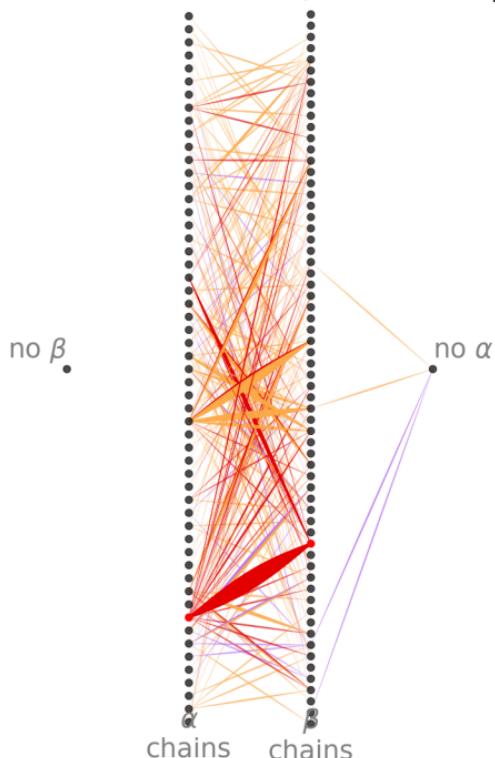


08_S (RuW)

clonality rule: alpha or beta

α : TRAV13-1_CAAAGTCCGAACA_TRAJ30, β : TRBV20-1_AGAGATGGGCCAGGGAGGCCAGTCACTAT_TRBJ1-2

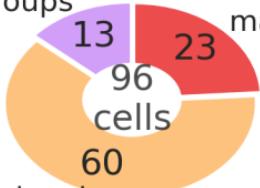
FACS: exp. 50% clonal (Vb B TRBV20-1)



bystander groups

related to clonal

main clone



21 TRAV13-1..TRAJ30

α -chains

13 TRBV20-1..TRBJ1-2

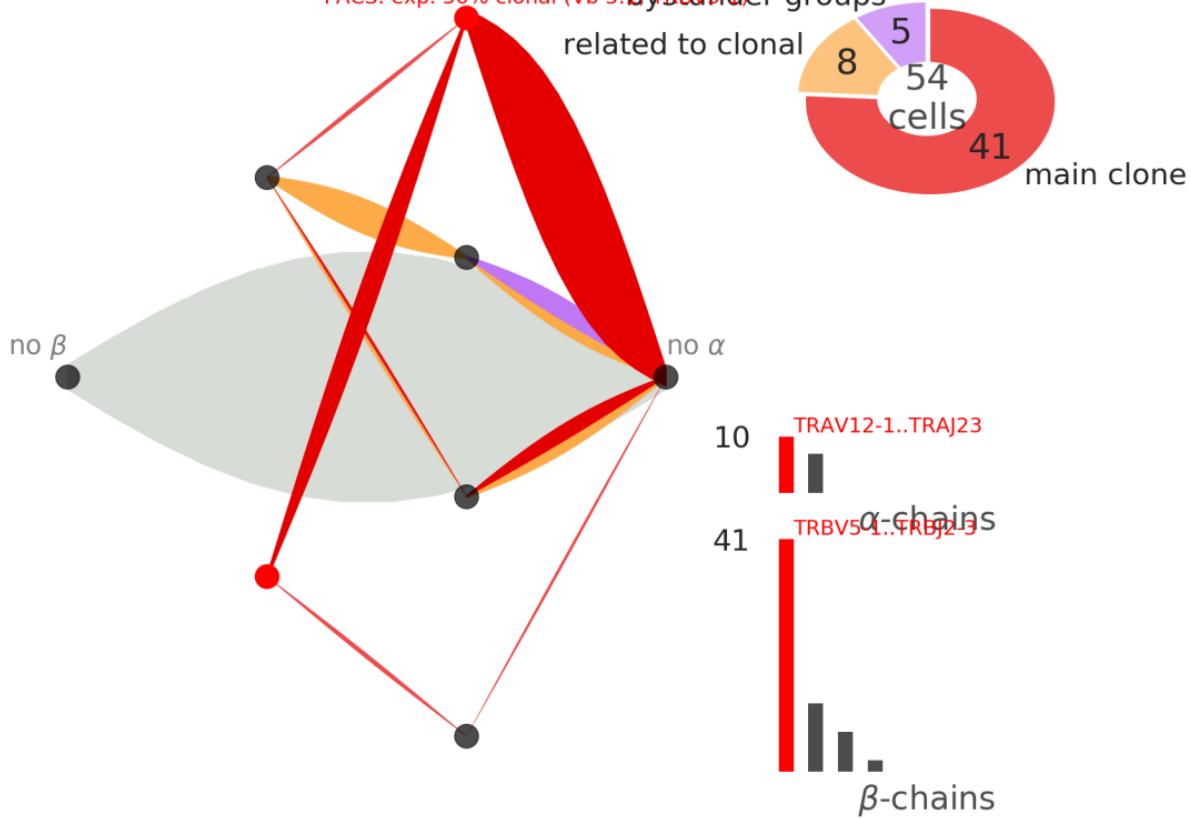
β -chains

09_S (MuA)

clonality rule: alpha or beta

α : TRAV12-1_TGTGGCCCAGATT_TRAJ23, β : TRBV5-1_CTTGGCTGGAGATA_TRBJ2-3

FACS: exp. 50% clonal (Vb 5..TRBV5-1)

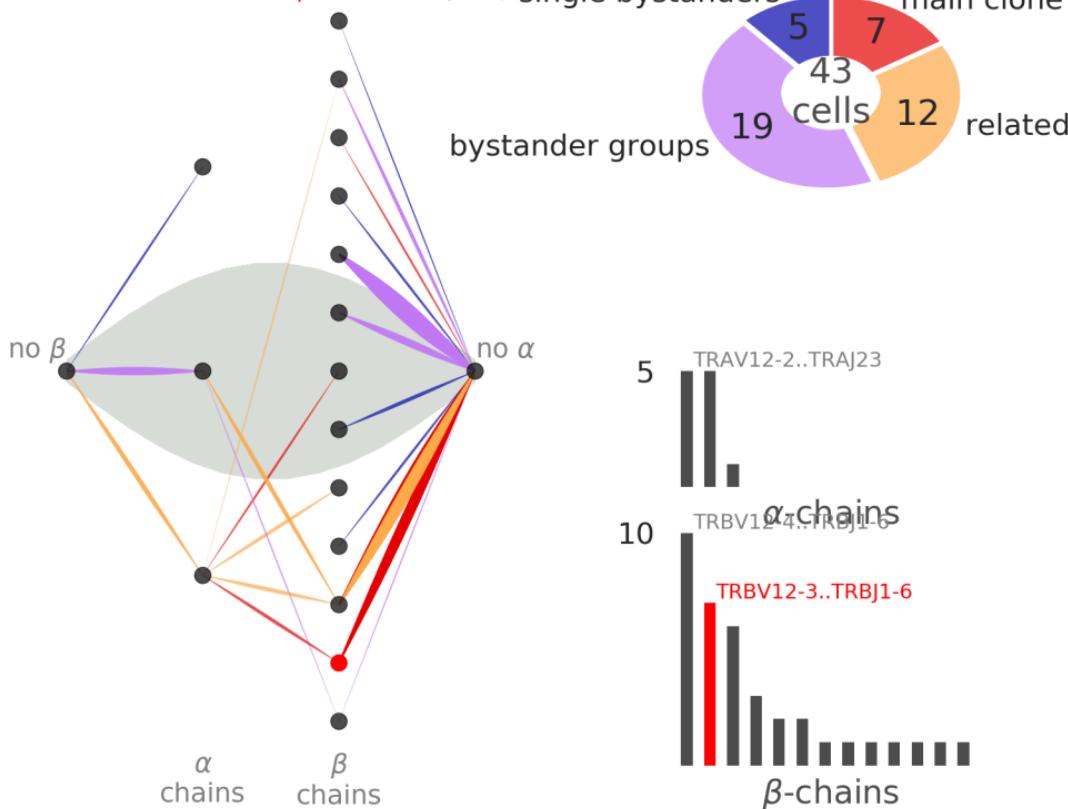


10_S (CrRo)

clonality rule: alpha or beta

α : TRAV13-1_AAGTAATAATT_TRAJ54, β : TRBV12-3_AGTTTCGGAATGACAGGGGGTATTCA_TRBJ1-6

FACS: exp. 50% clonal (Vb 8, TRBV12-3) [9/19]

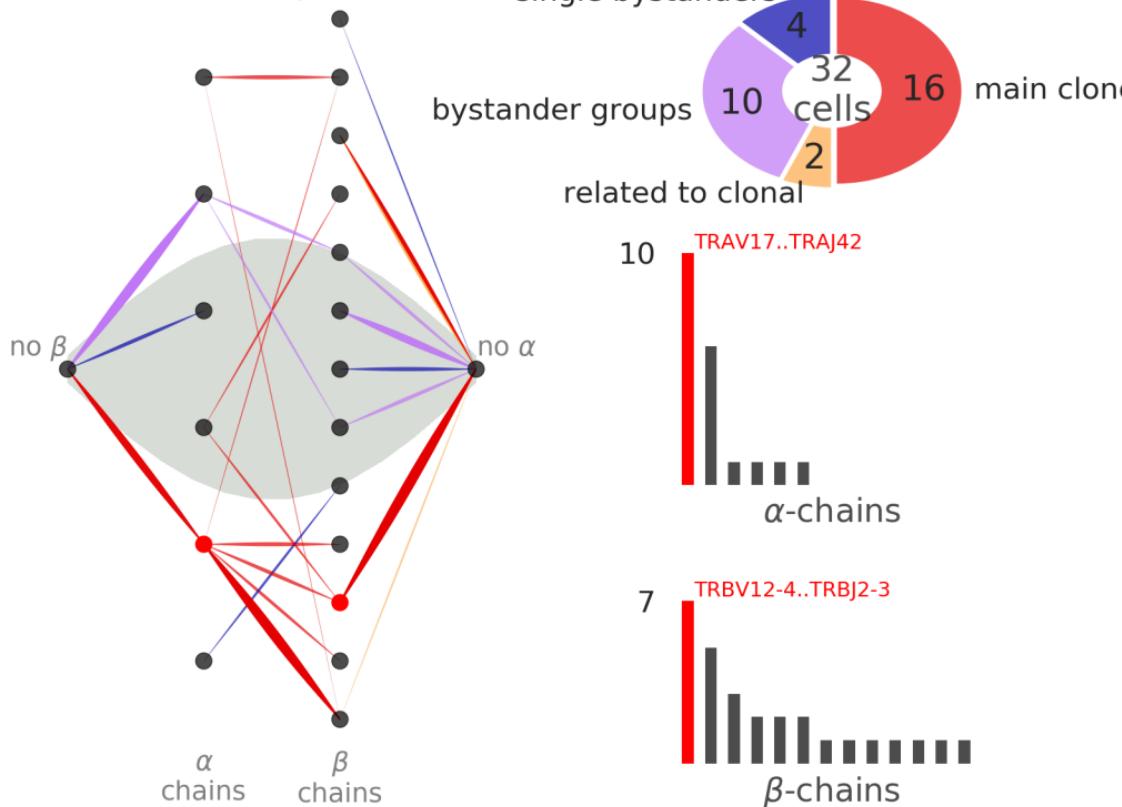


11_S (SuR)

clonality rule: alpha or beta

α : TRAV17_ACGGAGCCCCCTTATG_TRAJ42, β : TRBV12-4_CAGTTCACCAAGGGGTACGCAC_TRBJ2-3

FACS: exp. 50% clonal (Vb 8, TRBV12-3/TRBJ2-3)

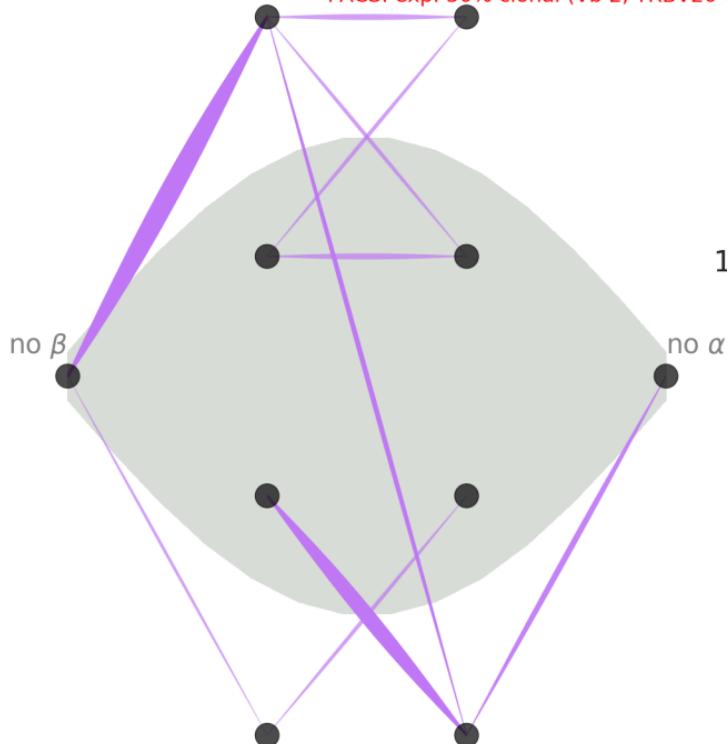


12_S (SpE)

clonality rule: alpha or beta

α : NoAlpha, β : NoBeta

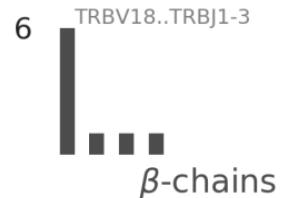
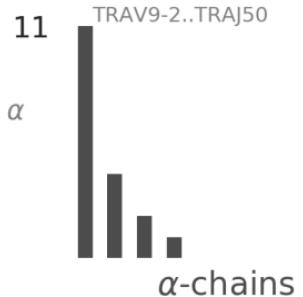
FACS: exp. 50% clonal (Vb 2, TRBV20-1)



16
cells

16

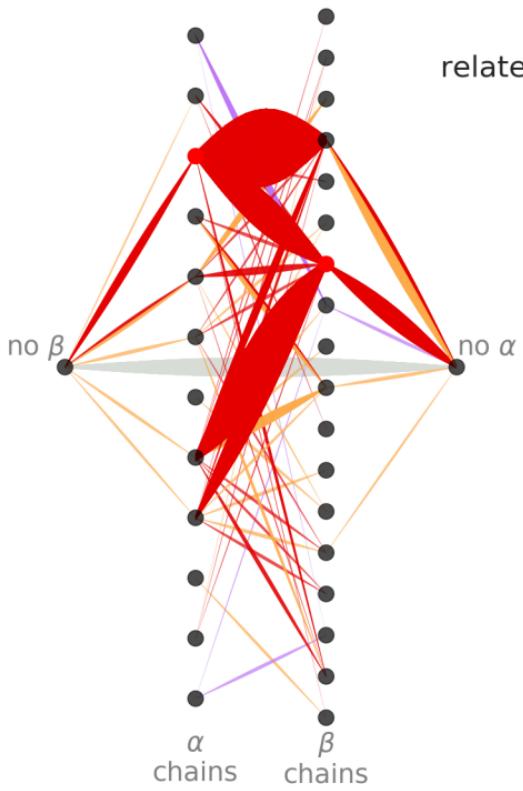
bystander groups



13_S (ChM)

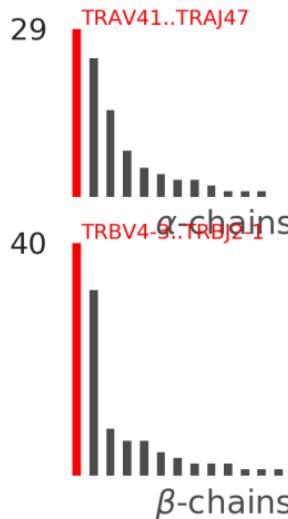
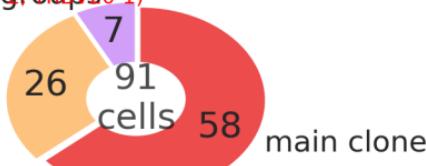
clonality rule: alpha or beta

α : TRAV41_GTCAGCCAATAT_TRAJ47, β : TRBV4-3_CAAGATGGGCCTAGTGGTGACAAT_TRBJ2-1
FACS: exp. 50% clonal (25% Vb 7.1, TRBV4-1/4 by chance, no Vb 10-1)



related to clonal

bystander groups



14_S (ReG)

clonality rule: alpha or beta

α : TRAV13-2_AGAGATTCTTCGATGG_TRAJ12, β : TRBV2_AGCAGCCCTAAC_TRBJ1-2
FACS: exp. 100% non-clonal

