

## TCRA+TCRB PBMC

| clonotype                                                                   | number of donors that share | donor_disease_status |
|-----------------------------------------------------------------------------|-----------------------------|----------------------|
| TRA_TRAV1-2_TRAJ12_CAVMDSSYKLIIF_TRB_TRBV6-4_TRBJ2-1_CASSDSSGGANEQFF        | 2                           | ALS4;Control         |
| TRA_TRAV13-1_TRAJ54_CAAANRGGAKLVF_TRB_TRBV6-1_TRBJ2-2_CARGQGNTGELFF         | 2                           | ALS4                 |
| TRA_TRAV13-2_TRAJ10_CAEILTGGGNKLF_TRB_TRBV7-8_TRBJ1-1_CASSLTGGETEAF         | 2                           | ALS4;Control         |
| TRA_TRAV13-2_TRAJ52_CAENAGGTSYKLIIF_TRB_TRBV5-1_TRBJ2-3_CASSRDRDTQYF        | 2                           | ALS4;Control         |
| TRA_TRAV16_TRBJ57_CALRRTQGGSEKLVF_TRB_TRBV7-2_TRBJ2-1_CASSLAAGANEQFF        | 2                           | ALS4;Control         |
| TRA_TRAV20_TRAJ39_CAVGNAGNMLTF_TRB_TRBV19_TRBJ2-2_CASSIFGELFF               | 2                           | ALS4                 |
| TRA_TRAV25_TRAJ20_CAGPDDYKLSF_TRB_TRBV7-2_TRBJ2-1_CASSLAGVYNEQFF            | 2                           | Control              |
| TRA_TRAV26-1_TRAJ45_CIVSYSGGGADGLTF_TRB_TRBV5-1_TRBJ2-3_CASSFGADTQYF        | 2                           | ALS4;Control         |
| TRA_TRAV26-2_TRAJ52_CILPLAGGTSYKLIIF_TRB_TRBV7-8_TRBJ2-7_CASSLGQAEQYF       | 2                           | Control;ALS4         |
| TRA_TRAV38-2/DV8_TRAJ50_CAYRKTSYDKVIF_TRB_TRBV6-2_TRBJ2-5_CASSYSIERGGQETQYF | 2                           | ALS4                 |
| TRA_TRAV8-3_TRAJ53_CAVGNSGGSNYKLIIF_TRB_TRBV6-5_TRBJ2-7_CASRQRDSYEQYF       | 2                           | ALS4;Control         |

## TCRB PBMC

| clonotype                             | number of donors that share | donor_disease_status |
|---------------------------------------|-----------------------------|----------------------|
| TRB_TRBV9_TRBJ1-1_CASSVGNTEAFF        | 4                           | Control;ALS4         |
| TRB_TRBV5-1_TRBJ1-1_CASSLGQGETEAF     | 2                           | Control;ALS4         |
| TRB_TRBV10-3_TRBJ2-2_CASSGQGTGELFF    | 2                           | Control              |
| TRB_TRBV11-2_TRBJ1-1_CASSLSGGGETEAF   | 2                           | ALS4                 |
| TRB_TRBV11-2_TRBJ2-1_CASSFLSGNSYNEQFF | 2                           | ALS4                 |
| TRB_TRBV11-2_TRBJ2-1_CASSLGGQGTGELFF  | 2                           | ALS4;Control         |
| TRB_TRBV11-2_TRBJ2-2_CASSLGGQGTQYF    | 2                           | ALS4                 |
| TRB_TRBV11-2_TRBJ2-7_CASSLDRAYEQYF    | 2                           | ALS4;Control         |
| TRB_TRBV12-4_TRBJ2-5_CASSFGTEQYF      | 2                           | Control              |
| TRB_TRBV12-5_TRBJ2-5_CASSFGTEQYF      | 2                           | ALS4                 |
| TRB_TRBV14_TRBJ1-1_CASSLMGMATEAF      | 2                           | ALS4                 |
| TRB_TRBV14_TRBJ2-5_CASSQAGVETQYF      | 2                           | ALS4                 |
| TRB_TRBV14_TRBJ2-7_CASSQDPGGYEQYF     | 2                           | ALS4                 |
| TRB_TRBV18_TRBJ1-1_CASSPOGYTEAF       | 2                           | ALS4                 |
| TRB_TRBV18_TRBJ1-3_CASSPQDNTYF        | 2                           | Control              |
| TRB_TRBV18_TRBJ2-3_CASSPTDTQYF        | 2                           | ALS4;Control         |
| TRB_TRBV18_TRBJ2-7_CASSPRQGTQYF       | 2                           | ALS4;Control         |
| TRB_TRBV19_TRBJ1-2_CASSIGTGYGTYF      | 2                           | Control              |
| TRB_TRBV19_TRBJ1-4_CASSNDGPGNNEKLF    | 2                           | ALS4                 |
| TRB_TRBV19_TRBJ1-5_CASSDRGAGPQHF      | 2                           | ALS4                 |
| TRB_TRBV19_TRBJ1-5_CASSPELQGPQHF      | 2                           | ALS4                 |
| TRB_TRBV19_TRBJ2-1_CASSIFGEQFF        | 2                           | ALS4                 |
| TRB_TRBV19_TRBJ2-1_CASSRGLAGSSYNEQFF  | 2                           | ALS4;Control         |
| TRB_TRBV19_TRBJ2-2_CASSYINEQFF        | 2                           | ALS4;Control         |
| TRB_TRBV19_TRBJ2-2_CASSIFGELFF        | 2                           | ALS4                 |
| TRB_TRBV19_TRBJ2-3_CASSIGDTQYF        | 2                           | ALS4;Control         |
| TRB_TRBV19_TRBJ2-3_CASSIRSGAQTQYF     | 2                           | ALS4;Control         |
| TRB_TRBV19_TRBJ2-5_CASSIGEYQYF        | 2                           | ALS4                 |
| TRB_TRBV19_TRBJ2-7_CASSMAGEQYF        | 2                           | Control              |
| TRB_TRBV19_TRBJ2-7_CASSPTGGYEQYF      | 2                           | ALS4                 |
| TRB_TRBV20-1_TRBJ1-2_CASDRGLGYGTYF    | 2                           | ALS4                 |
| TRB_TRBV20-1_TRBJ1-5_CASDRGLQGPQHF    | 2                           | ALS4;Control         |
| TRB_TRBV20-1_TRBJ1-5_CASDRGLQGPQHF    | 2                           | Control              |
| TRB_TRBV20-1_TRBJ1-5_CASSAGGQGPQHF    | 2                           | Control              |
| TRB_TRBV20-1_TRBJ1-5_CASSRRRRWDQGPQHF | 2                           | ALS4;Control         |
| TRB_TRBV20-1_TRBJ2-2_CASATGLADSGELFF  | 2                           | ALS4;Control         |
| TRB_TRBV20-1_TRBJ2-3_CASAGAGDTQYF     | 2                           | ALS4                 |
| TRB_TRBV20-1_TRBJ2-3_CASSAGQGTQYF     | 2                           | ALS4                 |
| TRB_TRBV20-1_TRBJ2-5_CASAGTEQYF       | 2                           | ALS4;Control         |
| TRB_TRBV20-1_TRBJ2-7_CASASLTGGYEQYF   | 2                           | ALS4;Control         |
| TRB_TRBV24-1_TRBJ1-5_CATSDDQGPQHF     | 2                           | Control              |
| TRB_TRBV25-1_TRBJ1-5_CASSDRGNRQGPQHF  | 2                           | ALS4;Control         |
| TRB_TRBV27_TRBJ2-1_CASSLSYNEQFF       | 2                           | Control              |
| TRB_TRBV27_TRBJ2-2_CASSLNTGELFF       | 2                           | ALS4;Control         |
| TRB_TRBV27_TRBJ2-3_CASSLFASTGAGDTQYF  | 2                           | ALS4;Control         |
| TRB_TRBV27_TRBJ2-7_CASSSTGSEQYF       | 2                           | ALS4;Control         |
| TRB_TRBV28_TRBJ1-4_CASLGTGTGKELFF     | 2                           | Control;ALS4         |
| TRB_TRBV28_TRBJ1-5_CASSRSDNQGPQHF     | 2                           | ALS4;Control         |
| TRB_TRBV28_TRBJ2-1_CASSLEGYNEQFF      | 2                           | Control;ALS4         |
| TRB_TRBV28_TRBJ2-5_CASSRGSLTQYF       | 2                           | ALS4                 |
| TRB_TRBV29-1_TRBJ1-1_CSVARGNTTEAF     | 2                           | Control              |
| TRB_TRBV29-1_TRBJ1-2_CSVETGYGTYF      | 2                           | ALS4                 |
| TRB_TRBV29-1_TRBJ1-4_CSVGAGGTNEKLF    | 2                           | Control;ALS4         |
| TRB_TRBV29-1_TRBJ1-5_CSVGFSNQGPQHF    | 2                           | ALS4;Control         |
| TRB_TRBV29-1_TRBJ2-5_CSVGGTEQYF       | 2                           | Control              |
| TRB_TRBV29-1_TRBJ2-5_CSVRGQGTQYF      | 2                           | Control              |
| TRB_TRBV2_TRBJ1-1_CASSEGEFAFF         | 2                           | Control              |
| TRB_TRBV2_TRBJ1-2_CASSAGGAGYGYTF      | 2                           | ALS4                 |
| TRB_TRBV2_TRBJ1-2_CASSDNGYGYTF        | 2                           | Control              |
| TRB_TRBV2_TRBJ1-5_CASSRGSNQGPQHF      | 2                           | ALS4;Control         |
| TRB_TRBV2_TRBJ1-6_CASSVGSYNSPLHF      | 2                           | ALS4                 |
| TRB_TRBV2_TRBJ2-1_CASSRYNEQFF         | 2                           | ALS4;Control         |
| TRB_TRBV2_TRBJ2-1_CASSRGSYNEQFF       | 2                           | Control;ALS4         |
| TRB_TRBV2_TRBJ2-5_CASSLTSGETQYF       | 2                           | ALS4;Control         |
| TRB_TRBV2_TRBJ2-7_CASSQAGYEQYF        | 2                           | ALS4;Control         |
| TRB_TRBV2_TRBJ2-7_CASSVSYEQYF         | 2                           | Control              |
| TRB_TRBV3-1_TRBJ1-1_CASSLRTGGNTEAF    | 2                           | ALS4;Control         |
| TRB_TRBV3-1_TRBJ1-1_CASSQVEGNTTEAF    | 2                           | ALS4;Control         |
| TRB_TRBV3-1_TRBJ1-5_CASSQGGNQGPQHF    | 2                           | ALS4;Control         |
| TRB_TRBV3-1_TRBJ1-5_CASSQGLNQGPQHF    | 2                           | ALS4;Control         |
| TRB_TRBV3-1_TRBJ2-2_CASSPQNTGELFF     | 2                           | ALS4                 |
| TRB_TRBV3-1_TRBJ2-3_CASSQVADTQYF      | 2                           | ALS4;Control         |
| TRB_TRBV4-1_TRBJ2-3_CASSQDRIGDTQYF    | 2                           | ALS4                 |
| TRB_TRBV4-1_TRBJ2-3_CASSQDRIGDTQYF    | 2                           | ALS4                 |
| TRB_TRBV4-3_TRBJ1-4_CASSQDEATNEKLF    | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ1-1_CASSFRDVHTEAF     | 2                           | Control;ALS4         |
| TRB_TRBV5-1_TRBJ1-1_CASSPWTGNTTEAF    | 2                           | Control;ALS4         |
| TRB_TRBV5-1_TRBJ1-2_CASSLGGQSYGYTF    | 2                           | Control              |
| TRB_TRBV5-1_TRBJ1-2_CASSLGGQYGYTF     | 2                           | Control              |
| TRB_TRBV5-1_TRBJ1-3_CASSPOGSGNTYF     | 2                           | ALS4                 |
| TRB_TRBV5-1_TRBJ1-4_CASSLGTNEKLF      | 2                           | ALS4                 |
| TRB_TRBV5-1_TRBJ1-4_CASSLGTNEKLF      | 2                           | Control;ALS4         |
| TRB_TRBV5-1_TRBJ1-5_CASSLGTNEQYF      | 2                           | Control              |
| TRB_TRBV5-1_TRBJ2-2_CASSLGLAGTGELFF   | 2                           | Control              |
| TRB_TRBV5-1_TRBJ2-2_CASSLGTGELFF      | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ2-3_CASSFGADTQYF      | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ2-3_CASSLADTQYF       | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ2-3_CASSLYTDTQYF      | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ2-3_CASSRORTDTQYF     | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ2-5_CASSLGETQYF       | 2                           | Control              |
| TRB_TRBV5-1_TRBJ2-7_CASSPQGTQYF       | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ2-7_CASSWDKAEQYF      | 2                           | ALS4;Control         |
| TRB_TRBV5-4_TRBJ1-2_CASSLDNGYGYTF     | 2                           | ALS4                 |
| TRB_TRBV5-4_TRBJ2-5_CASSLGGQGTQYF     | 2                           | Control;ALS4         |
| TRB_TRBV5-4_TRBJ2-6_CASSLQSGGANVLF    | 2                           | ALS4                 |
| TRB_TRBV5-5_TRBJ2-3_CASSPQRTDTQYF     | 2                           | ALS4;Control         |
| TRB_TRBV5-6_TRBJ1-1_CASSLGTTEAF       | 2                           | ALS4                 |
| TRB_TRBV5-6_TRBJ1-6_CASSLGGGNSPLHF    | 2                           | ALS4                 |
| TRB_TRBV5-1_TRBJ1-5_CASSSEWGNQGPQHF   | 2                           | Control              |
| TRB_TRBV6-1_TRBJ2-2_CARGQNTGELFF      | 2                           | ALS4                 |
| TRB_TRBV6-1_TRBJ2-7_CASSSEGTGSEYEQYF  | 2                           | ALS4                 |
| TRB_TRBV6-2_TRBJ2-5_CASSYSIERGGQGTQYF | 2                           | ALS4                 |
| TRB_TRBV6-2_TRBJ2-7_CASSRTYEQYF       | 2                           | Control              |
| TRB_TRBV6-2_TRBJ2-7_CASDTSYEQYF       | 2                           | Control              |
| TRB_TRBV6-4_TRBJ2-1_CASSDSSGGANEQFF   | 2                           | ALS4;Control         |
| TRB_TRBV6-5_TRBJ1-1_CASSLGGNTTEAF     | 2                           | ALS4;Control         |
| TRB_TRBV6-5_TRBJ1-1_CASSYSQNTTEAF     | 2                           | ALS4;Control         |
| TRB_TRBV6-5_TRBJ1-2_CASSYGGYGYTF      | 2                           | Control              |
| TRB_TRBV6-5_TRBJ2-5_CASSYSGTEQYF      | 2                           | ALS4;Control         |
| TRB_TRBV6-5_TRBJ2-7_CASSRDRYEQYF      | 2                           | ALS4;Control         |
| TRB_TRBV6-5_TRBJ2-7_CASSYSGSYEQYF     | 2                           | ALS4                 |
| TRB_TRBV6-6_TRBJ1-3_CASSYSRQVSGNTYF   | 2                           | ALS4;Control         |
| TRB_TRBV6-6_TRBJ2-5_CASSYIAGETQYF     | 2                           | Control              |
| TRB_TRBV7-2_TRBJ1-2_CASSLGGYGYTF      | 2                           | Control              |
| TRB_TRBV7-2_TRBJ1-5_CASSLGGQGPQHF     | 2                           | ALS4                 |
| TRB_TRBV7-2_TRBJ1-6_CASSLGGGNSYNSPLHF | 2                           | ALS4;Control         |
| TRB_TRBV7-2_TRBJ2-1_CASSLAAGANEQFF    | 2                           | ALS4;Control         |
| TRB_TRBV7-2_TRBJ2-1_CASSLAGVNEQFF     | 2                           | Control              |
| TRB_TRBV7-2_TRBJ2-2_CASSLGTNEKLF      | 2                           | ALS4                 |
| TRB_TRBV7-2_TRBJ2-5_CASSLSTSGQGTQYF   | 2                           | ALS4                 |
| TRB_TRBV7-2_TRBJ2-7_CASSLGTSEYEQYF    | 2                           | ALS4                 |
| TRB_TRBV7-2_TRBJ2-7_CASSYSYEQYF       | 2                           | ALS4                 |
| TRB_TRBV7-3_TRBJ1-1_CASSLGNTEAF       | 2                           | ALS4                 |
| TRB_TRBV7-3_TRBJ2-2_CASSLGTGELFF      | 2                           | Control;ALS4         |
| TRB_TRBV7-3_TRBJ2-2_CASSDGTGELFF      | 2                           | ALS4                 |
| TRB_TRBV7-3_TRBJ2-3_CASSLTGGGDTQYF    | 2                           | ALS4;Control         |
| TRB_TRBV7-8_TRBJ1-1_CASSLTGTEAF       | 2                           | ALS4;Control         |
| TRB_TRBV7-9_TRBJ2-7_CASSLGGQGTQYF     | 2                           | Control;ALS4         |
| TRB_TRBV7-9_TRBJ1-1_CASSLGGTEAF       | 2                           | ALS4;Control         |
| TRB_TRBV7-9_TRBJ1-1_CASSLQGLTEAF      | 2                           | ALS4                 |
| TRB_TRBV7-9_TRBJ1-1_CASSLVASEAF       | 2                           | Control;ALS4         |
| TRB_TRBV7-9_TRBJ1-2_CASSLDYSYGYTF     | 2                           | ALS4;Control         |
| TRB_TRBV7-9_TRBJ1-5_CASSLGGQGPQHF     | 2                           | ALS4                 |
| TRB_TRBV7-9_TRBJ1-6_CASSPQGGNSPLHF    | 2                           | ALS4                 |
| TRB_TRBV7-9_TRBJ2-3_CASSPQGPDTQYF     | 2                           | ALS4                 |
| TRB_TRBV7-9_TRBJ2-5_CASSPQGTQYF       | 2                           | ALS4;Control         |
| TRB_TRBV9_TRBJ1-5_CASSQGGNQGPQHF      | 2                           | Control              |
| TRB_TRBV9_TRBJ2-1_CASSYVNEQFF         | 2                           | ALS4;Control         |
| TRB_TRBV9_TRBJ2-2_CASSAGTGTGELFF      | 2                           | ALS4;Control         |
| TRB_TRBV9_TRBJ2-5_CASSVEEQYF          | 2                           | Control              |
| TRB_TRBV9_TRBJ2-7_CASSVGGSYEQYF       | 2                           | ALS4                 |

## TCRB CSF

| clonotype                             | number of donors that share | donor_disease_status |
|---------------------------------------|-----------------------------|----------------------|
| TRB_TRBV10-3_TRBJ2-5_CAISESAGGQETQYF  | 2                           | Control              |
| TRB_TRBV12-5_TRBJ2-3_CASGLVRDGTSSDQYF | 2                           | Control              |
| TRB_TRBV3-1_TRBJ2-7_CASSQGYEQYF       | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ1-1_CASSLAGGGETEAF    | 2                           | ALS4;Control         |
| TRB_TRBV5-1_TRBJ1-3_CASSLAASSGNTYF    | 2                           | Control              |
| TRB_TRBV5-6_TRBJ2-5_CASSLVGRGQETQYF   | 2                           | Control              |
| TRB_TRBV9_TRBJ1-2_CASSVGGANYGYTF      | 2                           | Control              |