



T cell receptor Beta chain V region sequencing (TCR-seq)

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I. TRB sequencing

1. T cell receptor beta chain gene rearrangements were bulk sequenced from gDNA using similar methods to IGH sequencing. See the IGH protocol [here](#).
2. Further details, including PCR primers, can be found in [PMID 30111633](#) and [Meng et al., 2021](#).
3. For data analysis, we recommend using the **ImmuneDB pipeline** ([PMID 30298069](#)), with database installation instructions available on GitHub: <https://immunedb.readthedocs.io/en/latest/>.

Note: A detailed step-by-step protocol for all of the wet and dry bench methods is expected to be available in Methods in Molecular Biology later in 2022.