|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Patient** | **Clonal cell population** | **TRDV2\*03**  | **junction** | **TRDD3\*01** | **junction** | **TRDJ1\*01** | **Function of rearrangement**  |
| **Germline** |  | tgt gcc tgt gac acc C A C D T |  | act ggg gga tac g T G G Y D |  | ac acc gat aaa ctc atc ttt T D K L I F |  |
| **2** |  | tgt gcc tgt gac  C A C D  | ccc ctt t P L | tg ggg gat  |  | ac acc gat aaa ctc atc ttt# | Unproductive (out-of-frame junction) |
| **4**  | γδ+ T-cells | tgt gcc tgt gac accC A C D T | cgR | t ggg ggg  G G   |  | cg ata aac tca tct tt# | Unproductive (out-of-frame junction) |
| **5**  | γδ+ T-cells |  |  |  |  |  |  |
| **8** |  | tgt gcc tgt gac acc C A C D T |  |  |  | ac acc gat aaa ctc atc ttt#  | Unproductive (out-of-frame junction) |
| **9** |  | tgt gcc tgt gac acc C A C D T | ggg t G  | ac tgg ggg T W G | cga ccg t R P  | ac acc gat aaa ctc atc tttY T D K L I F  | Productive |
| **11**  | γδ+ T-cells | tgt gcc tgt gac C A C D  | tca gt S V | a ctg g L | ta tc V S | c acc gat aaa ctc atc tttT D K L I F  | Productive |
| **12**  | γδ+ T-cells | tgt gca tgt gac C A C D | acc gca ag T A | a ctg ggg gat acg# | gtg ggt ggg ttt aac atc cca gag# | taa act cat ctt t# | Unproductive (out-of-frame junction) |
| **13** |  | tgt gcc tgt gac C A C D  | xxx | xxx | xxx | cc gat aaa ctc atc ttt | Unknown (junction region bi-allelic) |
| **14** |  | tgt gcc tgt C A C |  |  |  | aaa ctc atc tttK L I F | Productive |
| **15** |  | tgt gcc tgt gac C A C D  | cct ttg cct tct gag gga ggt ata gc P L P S E G G R A | t ggg gga tat G G Y | ctc cct tac ta L P Y Y | c gat aaa ctc atc tttD K L I F | Productive |
| **19** |  | tgt gcc tgt gac acc C A C D T | cat cg H R |  |  | c gat aaa ctc atc tttD K L I F | Productive |

**Table S3**