**Table S1.** Examples of divergent (*D*) and polymorphic (*P*) sites as calculated for the McDonald-Kreitman (MK) test. Synonymous and nonsynonymous substitutions from germ-line sequence are underlined and boldfaced, correspondingly.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Codon #** | **i** | **j** | **q** | **r** |
| **Germline**  | c | g | c | g | - | - | c | t | a | a | a | t |
| **MRCA** | c | g | t | g | t | a | c | t | c | a | **g** | t |
| **Clonotypes in the clonal lineage** | cccc | g**t**g**a** | tttt | gggg | tttt | aaaa | cccc | tttt | cacc | aaaa | **g****g****c****c** | tttt |
| ***Nonsynonymous divergence (Dn)*** | 0 | 0 | 0 | - | - | - | 0 | 0 | 0 | 0 | **1** | 0 |
| ***Synonymous divergence (Ds)*** | 0 | 0 | 1 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Nonsynonymous polymorphism (Pn)*** | 0 | **2** | 0 | - | - | - | 0 | 0 | 0 | 0 | **1** | 0 |
| ***Synonymous polymorphism (Ps)*** | 0 | 0 | 0 | - | - | - | 0 | 0 | 1 | 0 | 0 | 0 |
| **Comment** | example of codon represented by multiple variants in the clonal lineage (*i.e.* with the multiallelic site) | example of codon excluded from analysis because of unknown germline sequence for the site | example of codon where divergence is not counted because of presence of the germline variant among sequence variants in the lineage | example of codon where divergence is counted because there are no clonotypes identical to the germline sequence |