**A.** Variants

WT (reference): AAAGCCGGA−CCCGC
WalK$^{T389A}$: A**GT**GCCGGA−CCCGC
IMAL014: A**GT**G**T**CA**G**A**T**CCCGC
IMAL031: A**GT**GCCGG**T**−CCCG**T**
IMAL058: A**GTA**C**−**GGA−**TT**CGC
IMAL065: **GGT**GCCG**A**A−CCCGC
IMAL070: A**GT**GCCGGA−CC**TT**C

**B.** Phylogeny

WT —— 2 SNPs —— WalK$^{T389A}$
- 2 SNPs, 1 insertion → IMAL014
- 2 SNPs → IMAL031
- 3 SNPs, 1 deletion → IMAL058
- 2 SNPs → IMAL065
- 2 SNPs → IMAL070