ID for Contextual Alleles (1)

- Assigned for variation in the context of particular reference sequence

- Two definitions describing the same sequence modification on the same reference have the same Contextual ID

    - AGG~~GCT~~GCTCTAAA

    - AGGG~~CTG~~CTCTAAA

    - AGGGC~~TGC~~TCTAAA

    - AGGGCT~~GCT~~CTAAA

ID for Contextual Alleles (2)

- When to show them to the users
  - on demand
  - always (by default)

- Generation
  - value is calculated from variant definition
  - ID of reference + position + sequence modification
  - sequences <= 16 bp are coded in the ID value
  - sequences larger than 16bp are saved in CAR and their ID is coded in the AI value

Format

- Decimal (10 digits)

    17 - 32 digits

- Alphadecimal (26 letters + 10 digits)

    11 - 21 characters (0-9 & a-z)

- 64 characters (2 x 26 letters + 10 digits + 2 x ?)

    9 - 17 characters

Examples

NC_000007.14:g.55174768_55174769insTAAATTCCCGTCGCTA

AI15287763539748506492906445471799

AIbfggioy8q3bucehdsueg5

NM_005228.3:c.2231_2232insTAAATTCCCGTCGCTA

AI466545518180801736368748164

AIbwwm8l7fhhdll6fo5i

NC_000017.11:g.7674894G>C

AI2361329416836300668993

AIn4mj48wshiiimr

NM_001276761.1:c.520C>T

AI108088729398170063

AI3ukji2lnxh9