VFormants file legend

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| Column | | | Variable |
|  | Heading | Additional  Clarification | Variable and additional clarification |
| B | TargetV | Vowel adjacent to target consonant | front:  i (IPA=ɪ), c (IPA=ø), e, j (IPA=ij)  back:  v (IPA=ʊ), w (IPA=ɯ), a (IPA=ɑ), u (IPA=uw) |
| C | Vfront | Vowel frontness | front (=front or [-back] vowels)  back (=back or [+back] vowels) |
| D | Vheight | Vowel height | high (=[+high] vowels)  low (=[-high] vowels) |
| E | VPos | Vowel position to adjacent target consonant | before (=preceding target consonant)  after (=following target consonant) |
| F | TargetC | Target consonant | dorsal:  k, g (IPA=ɡ)  q, R (IPA=ʁ)  X  coronal:  t, d  s, z  labial:  p, b |
| G | TargetCType | Target consonant type | Dorsal (=dorsal consonants)  nonDorsal (=coronal and labial consonants) |
| H | CPosSyll | Target consonant position in the syllable | onset  nucleas  coda  onsetsuf (=refers to dat suffix only)\* |
| I | CPosWord | Target consonant position in the word | begin (=stem-initial target consonant)  mid (=stem-medial target consonant)  end (=stem-final target consonant)  midsuf (=stem-medial target consonant at morpheme boundary) |
| J | WordNum | Word number | number in randomised word list |
| K | Token | Token number | 1 (=first pronunciation of word)  2 (=second pronunciation of word)  3 (=third pronunciation of word) |
| L | NonceWordType | Nonce word type | Bare (=bare word production)  Infl (=inflected word production |

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| M | Structure | Word form | ISO (=isolation – for bare nonce forms only)  PL (=plural forms)  POSS (=possessive forms)  INF (=infinitive form)  PST (=past forms)  PRS (=present form)  DAT (=dative form)  N (=noun – for real bare words only) |
| N | WordType | Word type | nonce (=nonce word)  real (=real Kazakh word) |
| O | Interval | Percent interval within the vowel production |  |
| P | F1 | F1 value |  |
| Q | F2 | F2 value |  |
| S | F3 | F3 value |  |

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