# SUPPLEMENT 5 – SETS OF CANDIDATE TEST PHONES

Table S1 below presents the thirty-one sets of phonetically similar Swedish phones that resulted from the clustering of contrasting phones based on phonetic distance (PD). Table S1 also presents the average PD between the member-phones of each set.

Table S1

Sets of candidate test phones for the SiP test. Test phones in parentheses were not included in the final set of test-word groups, due to the lack of appropriate Swedish minimal-variation groups.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Included phones | Average phonetic distance |  | Included phones | Average phonetic distance |
| (m) n ɳ | 4 |  | a ɔ œ | 5.9 |
| l n (ɳ) | 4.2 |  | (p t ʈ) / pː tː ʈː | 6 |
| (ɖ) n ɳ | 4.5 |  | ɑː oː øː | 6.2 |
| l ɳ v | 4.5 |  | (ɔ œ ʊ) | 6.3 |
| (d ɖ ɳ) | 4.7 |  | a ɔ ɵ | 6.3 |
| (b d ɖ) | 4.8 |  | ɛ̝ ɪ ʏ | 6.5 |
| (k t ʈ) / kː tː ʈː | 4.8 |  | ɔ ʊ ø̞ | 6.5 |
| iː ʉː yː | 5 |  | ɪ ʏ ø̞ | 6.7 |
| (d ɡ ɳ) | 5.1 |  | oː uː ʉː | 7.8 |
| b d m / (bː dː mː) | 5.2 |  | f s ʂ / fː sː ʂː | 8.3 |
| l ɳ r | 5.2 |  | f ɧ s | 8.3 |
| ɑː ɛː øː | 5.3 |  | f ɧ l | 8.5 |
| a æ œ | 5.4 |  | eː ɛː yː | 8.6 |
| (ɡ m) / ɡː mː ŋː | 5.5 |  | ɕ f s | 8.8 |
| ʝː lː ŋː | 5.7 |  | h p t | 8.8 |
| a ɛ̝ ø̞ | 5.9 |  |  |  |