**Autosegmental laryngeal features in a dialect of Quechua**

Due Friday, March 13

***Directions*:** Provide an autosegmental, OT analysis of the distribution of [+spread glottis] and [+constricted glottis] in this dialect of Quechua. (I can tell you the data source later if you want.)

* These data show generalizations about what roots look like, rather than alternations.
* I’ve given you some legal words and some illegal hypothetical words.
* You need to explain why the illegal words aren’t allow to surface faithfully. That is, if there *were* an input like /pat’aj/, the faithful candidate \*[pat’aj] couldn’t win.
* And of course the actual words should still be allowed to surface intact (includeing #28 nd #29)
* You will probably want to use featural Align and Max constraints—be sure to define your Align constraint(s) precisely, including how violations are counted.

For your reference, here are the consonants of this dialect of Quechua:

      

**** **** **** ****  

    

 

  





 

***Legal words***

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| 1.  | to bite |
| 1.  | to explode, blow up |
| 1.  | collection, combination |
| 1.  | bread |
| 1.  | old, used up, worn out |
| 1. t | treacherous, tricky |
| 1. t | ragged, tattered |
| 1. k’anka | rooster |
| 1.  | slimy, clammy |
| 1.  | turbid, muddy |
| 1.  | mountainside |
| 1.  | lip |
| 1.  | body hair |
| 1.  | to be delirious |
| 1.  | to unplug, uncork |
| 1.  | thick |
| 1.  | mixed, jumbled |
| 1.  | to wash or rinse out the mouth |
| 1.  | yellow aster |
| 1.  | to get twisted up |
| 1.  | to smell |
| 1.  | dented, bruised |
| 1.  | rotten, putrid |
| 1.  | forgetful |
| 1.  | sling made of wool |
| 1.  | (made up, but should be legal) |
| 1.  | (mad up, but should be legal) |
| 1.  | (made up, but should be legal) |
| 1.  | (made up, but should be legal) |

***Illegal words—of course, there are no glosses!***

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| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |
| 1. \* |