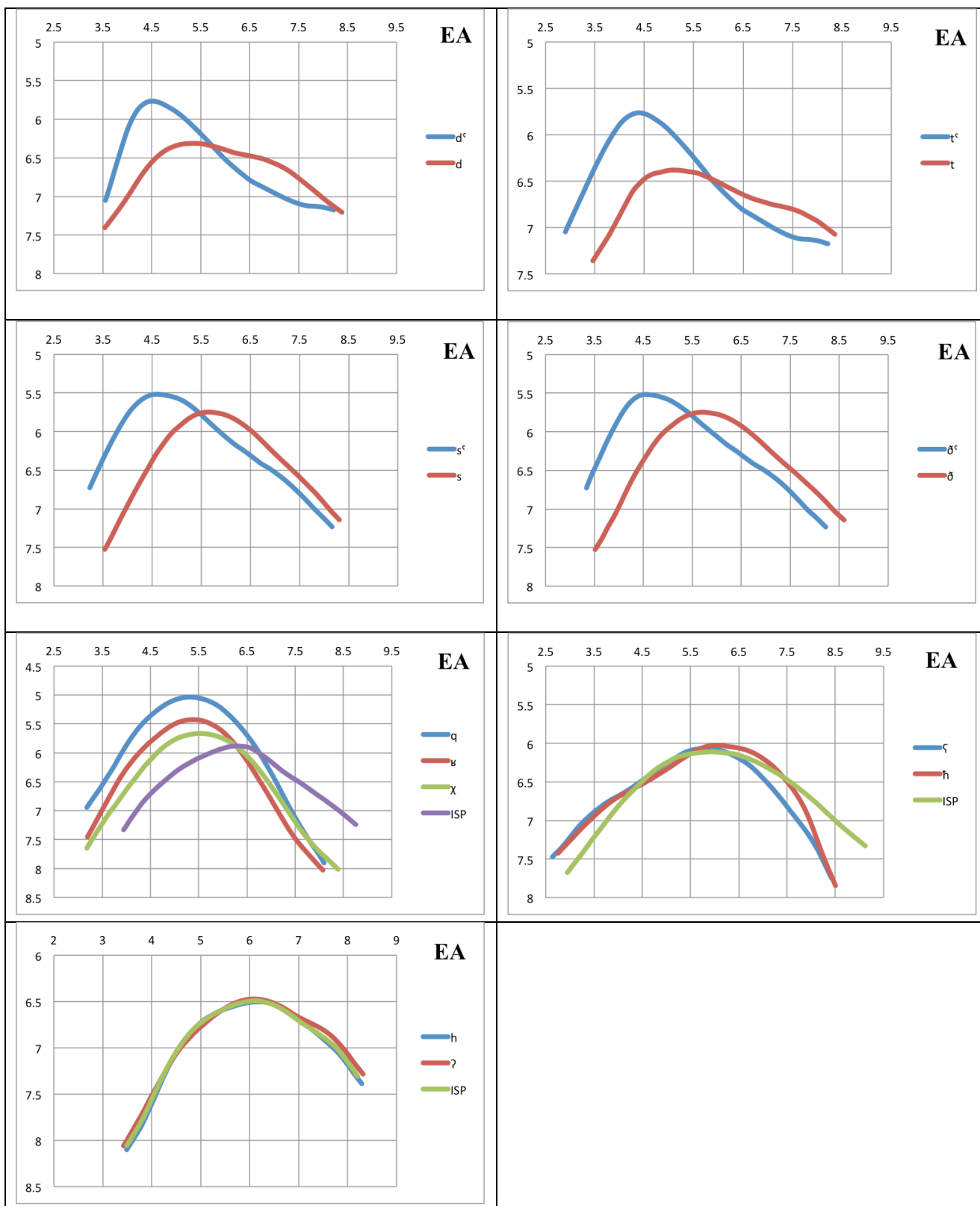
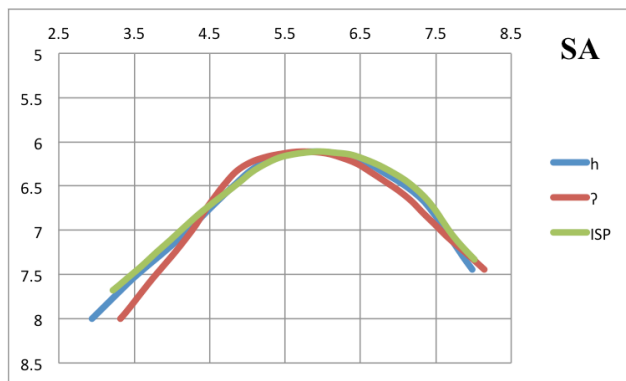
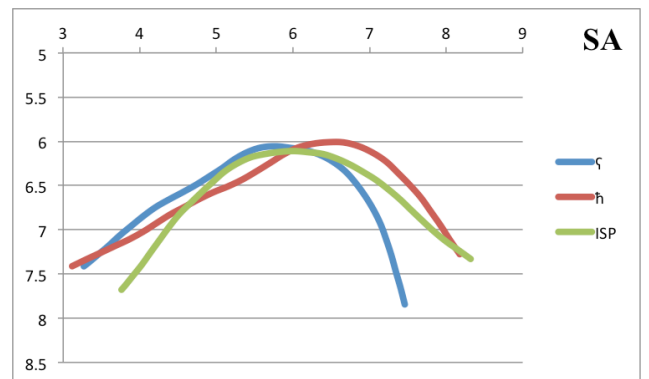
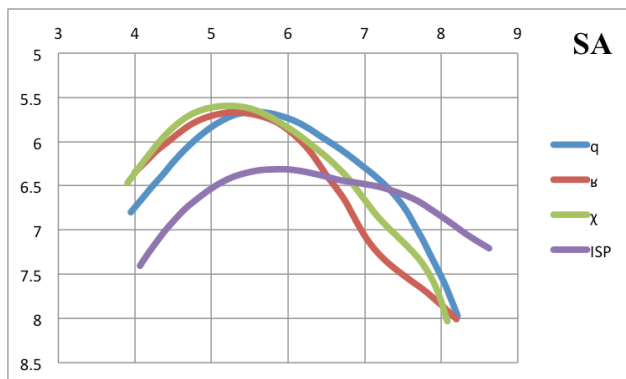
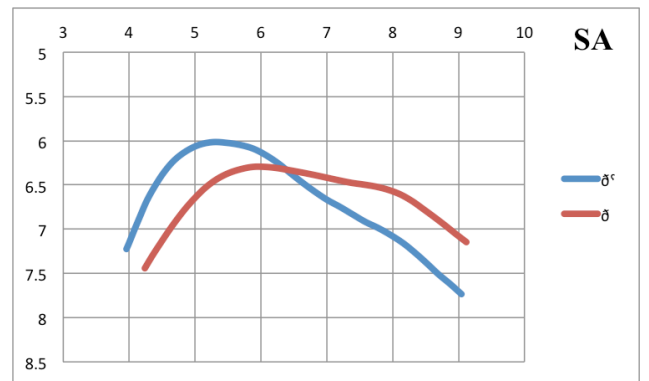
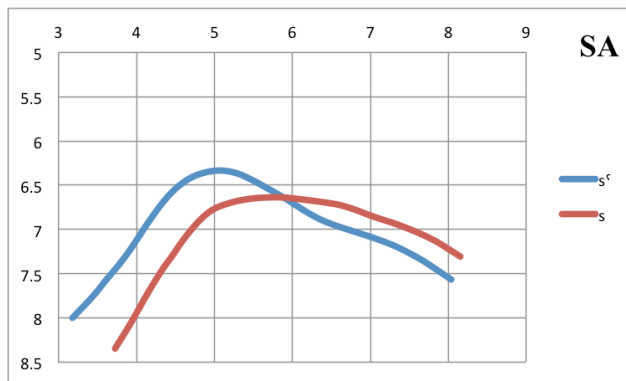
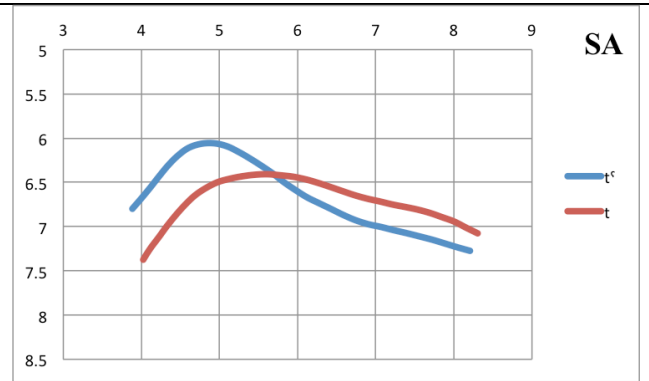
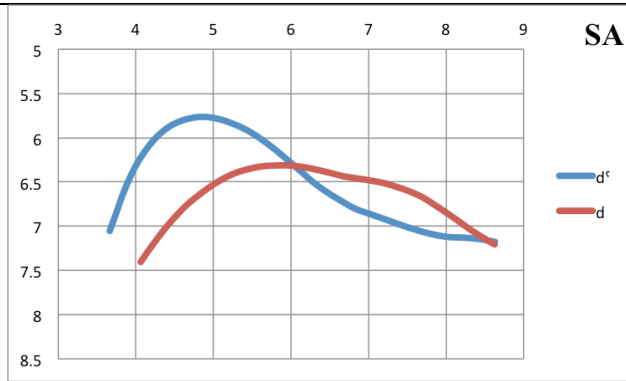


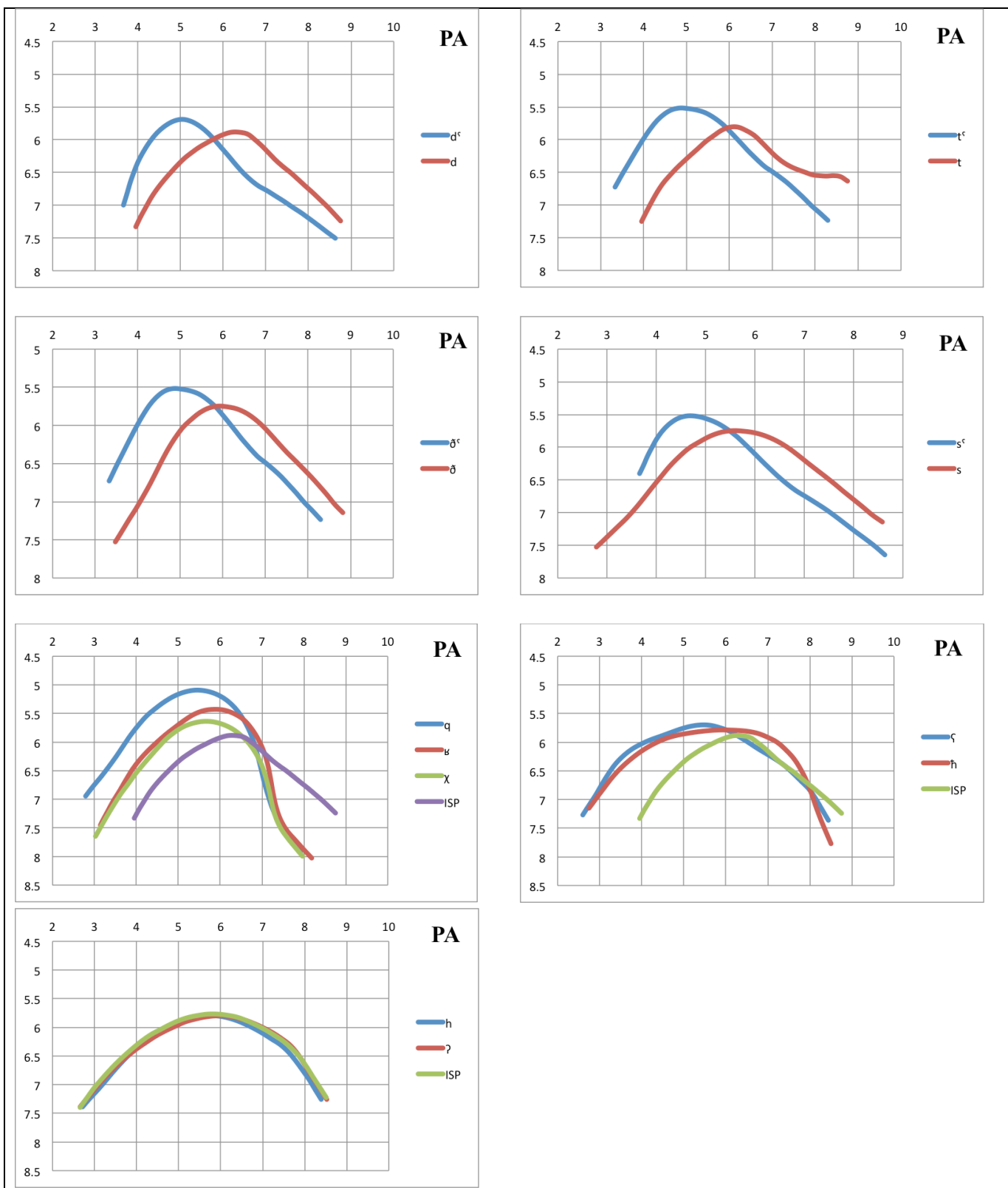
Appendix A: General tracings



Average tracings of Egyptian Arabic speaker

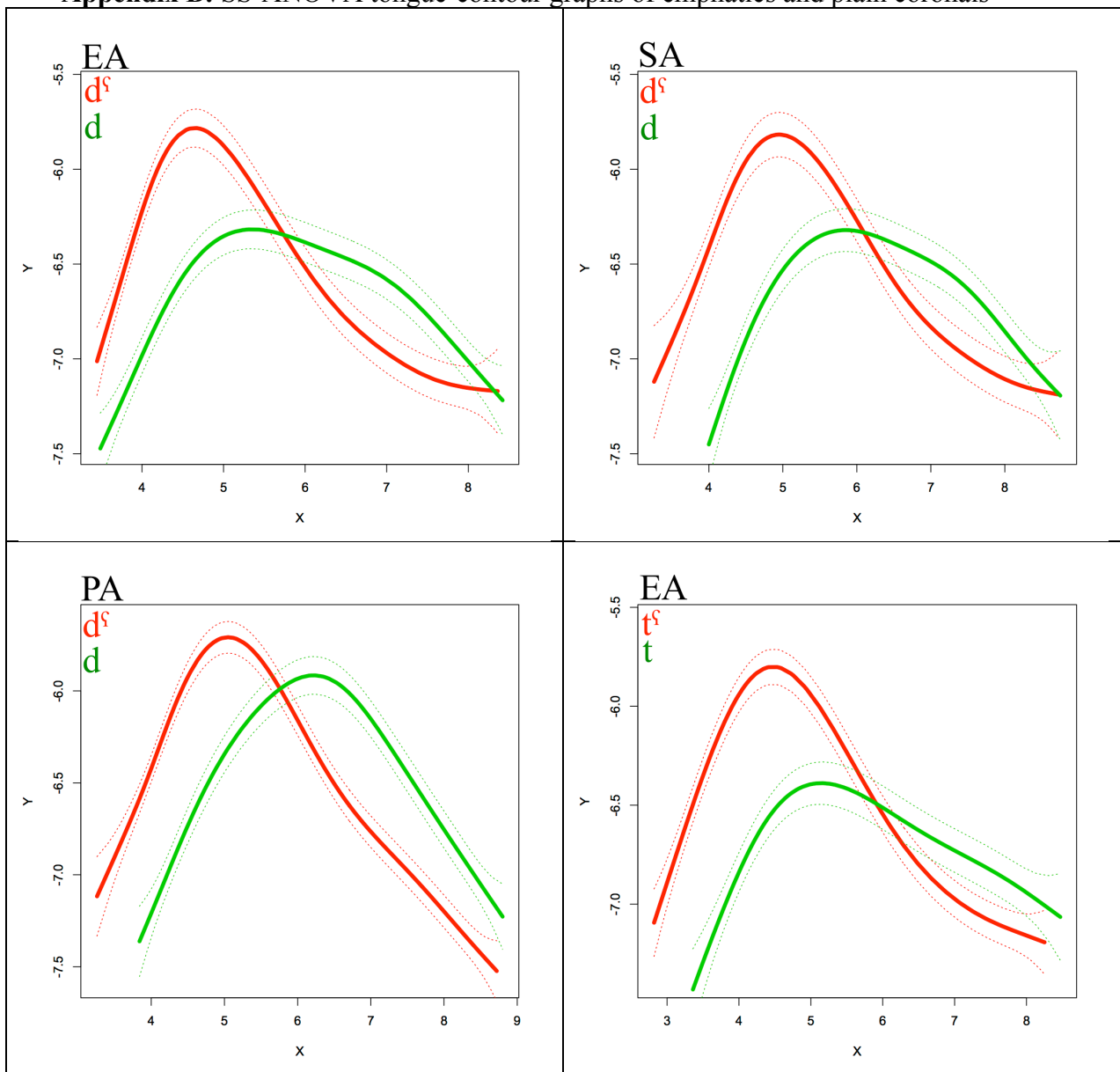


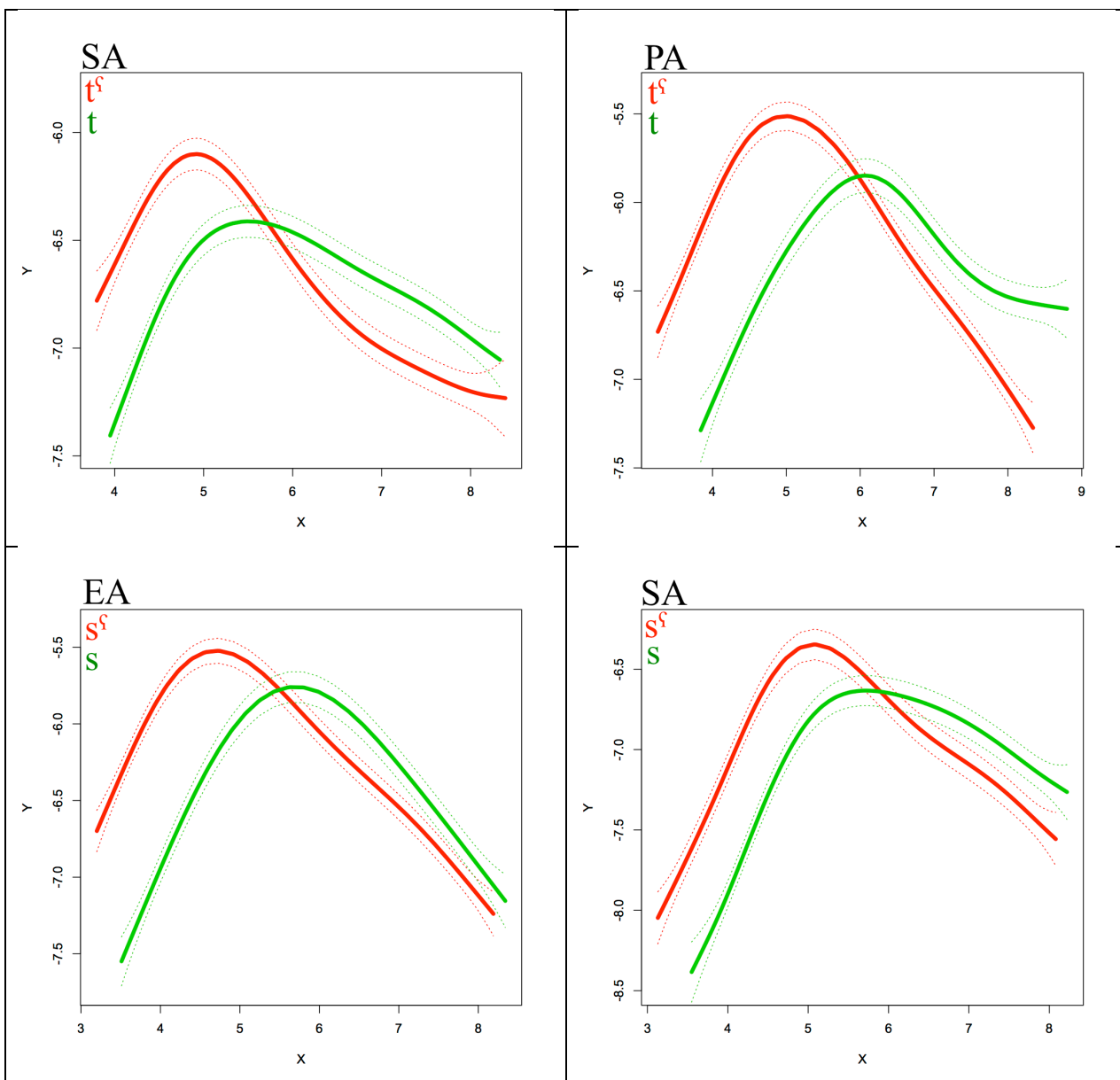
Average tracings of Saudi Arabic speaker

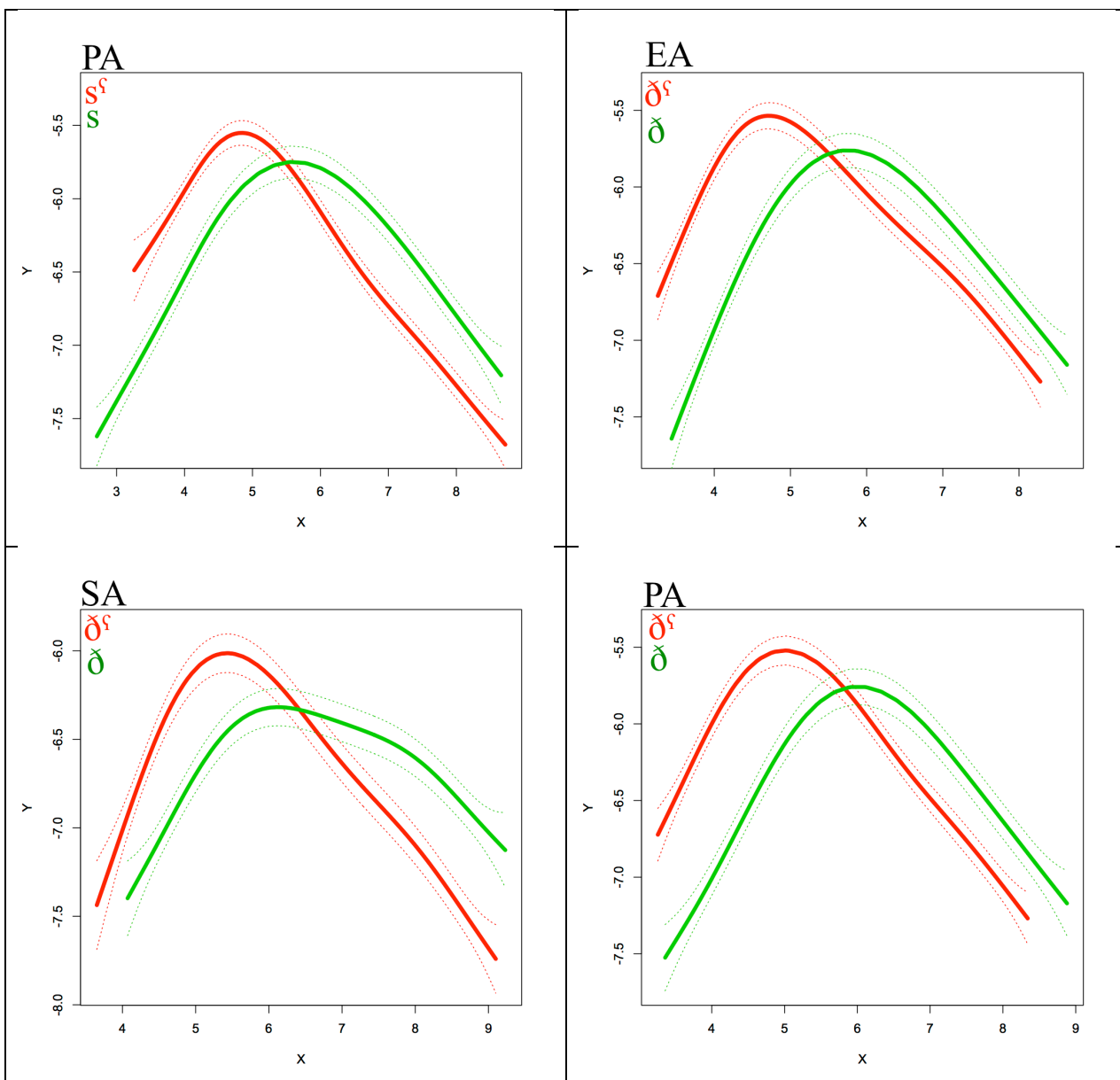


Average tracings of Palestinian Arabic speaker

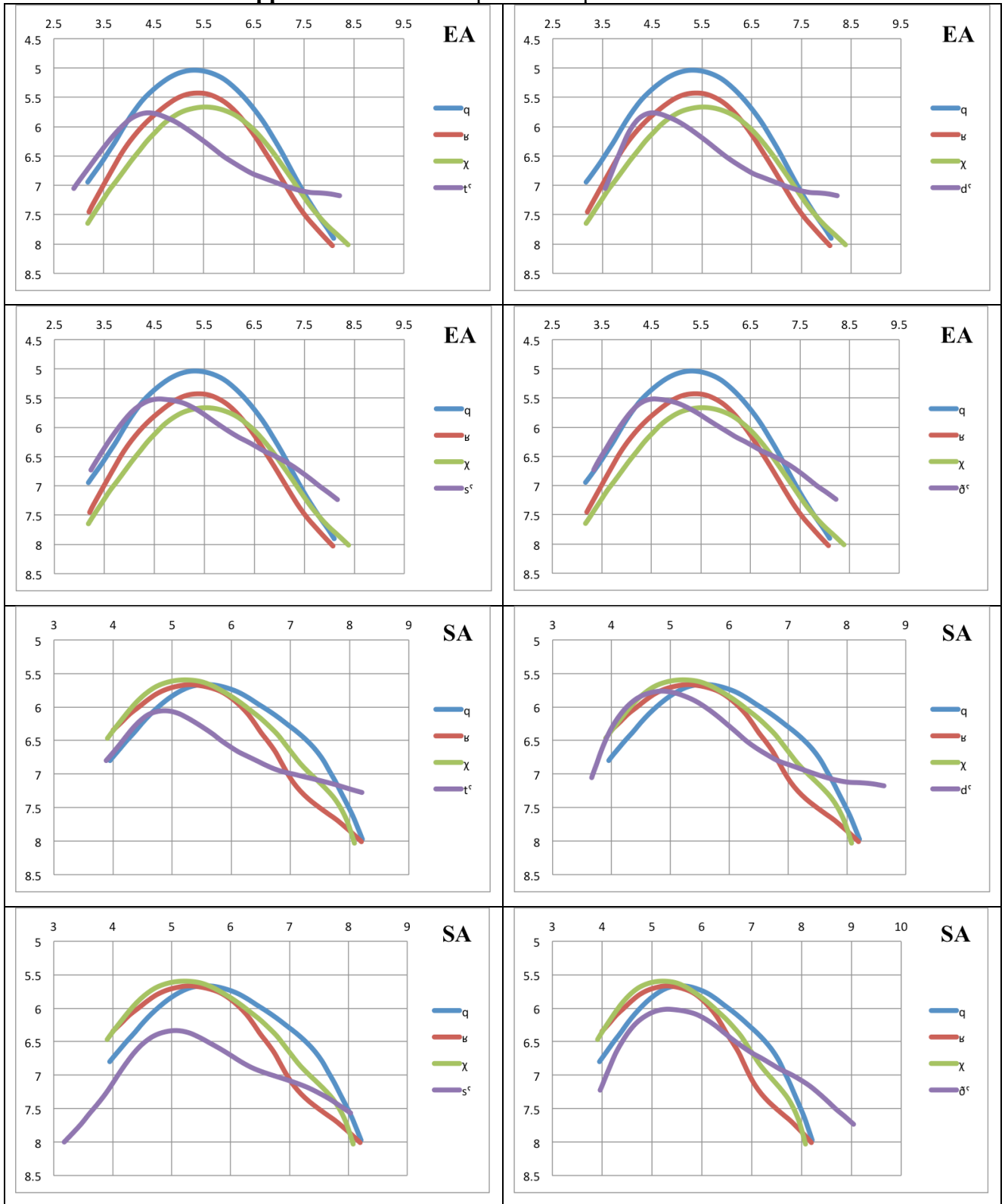
Appendix B: SS-ANOVA tongue-contour graphs of emphatics and plain coronals

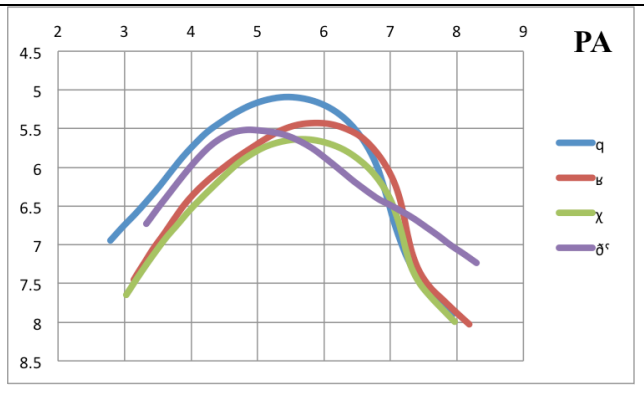
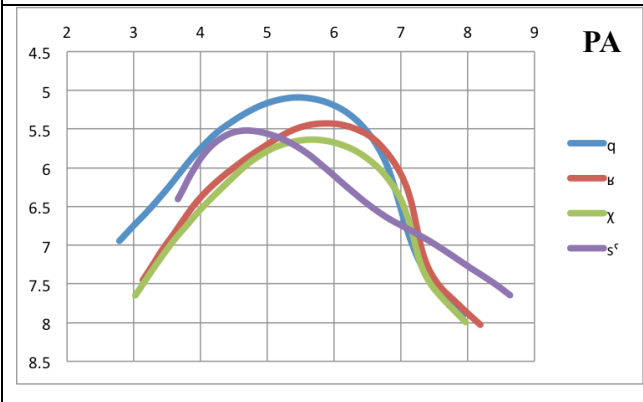
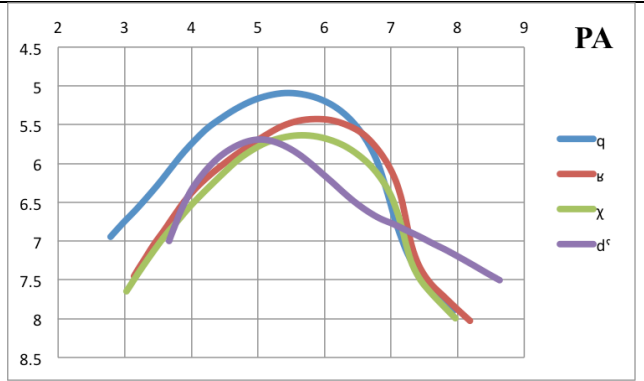
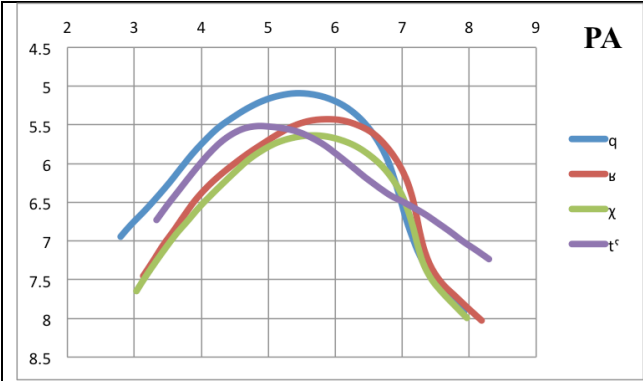






Appendix C: uvular-emphatic comparisons





Appendix D: SS-ANOVA tongue-contour graphs of pharyngeals, emphatics and uvulars

