A.2.1 Is This a Paraphrase Pair . . . 184
A.2.2 The Tagset . . . 185
A.2.3 The Scope . . . 187
A.3 Tagset Definition . . . 191
A.3.1 Morphology based changes . . . 191
A.3.2 Lexicon based changes . . . 192
A.3.3 Lexico-syntactic based changes . . . 197
A.3.4 Syntax based changes . . . 201
A.3.5 Discourse based changes . . . 204
A.3.6 Other changes . . . 206
A.3.7 Extremes . . . 207
A.4 Annotating non-paraphrases . . . 209
A.5 Annotating negation . . . 211

B Annotation Guidelines for Gold et al. [2019] 213
B.1 Paraphrasing . . . 213
B.2 Textual Entailment . . . 214
B.3 Contradiction . . . 215
B.4 Similarity . . . 216
B.5 Specificity . . . 217

C Annotation Guidelines for Kovatchev et al. [2020] 219
C.1 Presentation . . . 219
C.2 Annotating reason-based Phenomena . . . 219
C.3 List of reason-based phenomena . . . 220

List of Figures

3.1 Main steps in DISCOver methodology 45
3.2 Dependency parsed sentence: *El barbero afeita la larga barba de Jaime* ('The barber shaves off James's long beard') 49

4.1 Annotating relationships at textual level. 73
4.2 Annotating relationships at token level. 74
4.3 Scope selection page. 75

6.1 Critical Difference diagram of the average ranks by phenomena . . 109

7.1 Similarity scores of sentences annotated with different relations . . 127