Choice of prior distributions

For both direct comparisons and NMA models, for the mean sensitivity and specificity parameters on the logistic scale, we used normally distributed priors with mean 0 and standard deviation of 2, which corresponds to a flat prior on the probability scale. For between-study standard deviation parameters, we used half-normal priors with mean 0 and standard deviation of 1. For the between-study correlation between sensitivities and specificities, we used Lewandowski-Kurowicka-Joe (LKJ) (Lewandowski et al. 2009) priors with a shape parameter of 2. The NMA model also has between-test standard deviation parameters, where we used half-normal priors with mean 0 and standard deviation of 1. These priors allow a large variation in study-specific sensitivity and specificity if the data demands.
Appendix Figure 1: Flow chart of study selection NB Where a primary study provided more than one dataset per technology (e.g., analog and digital radiographs) to minimise dependency of data within an analysis the dataset with the largest volume of data was selected for inclusion. This decision was justified on the basis that for each individual systematic review no differences in accuracy estimates were typically observed within the individual technologies.
Appendix Figure 2: Distribution of how many studies compared each combination of specific technologies across the Cochrane systematic reviews (N.B. All studies reporting one technology only (indicated in each ellipse towards the edge of the figure) were excluded from this review.)
| Study ID | Technology                                                                 | Tooth sites | Teeth | Participants | In-vitro | Prevalence D1 | Prevalence D3 | Surface | Ref standard | Dentition |
|----------|-----------------------------------------------------------------------------|-------------|-------|--------------|----------|---------------|---------------|---------|--------------|-----------|
| 1.       | (Achilleos et al. 2013) Fluorescence (red fluorescence) Visual (ICDAS)    | 38          | 38    | NR - extracted | vitro    | 0.95          | 0.39          | Occlusal | Histology    | Permanent |
| 2.       | (Akarsu and Koprulu 2006) Fluorescence (red fluorescence) Visual (Ekstrand/ERK) | 165         | 187   | 161          | vivo     | 0.77          | 0.52          | Occlusal | Excavation   | Permanent |
| 3.       | (Apostolopoulou et al. 2009) Fluorescence (red fluorescence) Imaging (analog radiograph) | 111         | 24    | NR - extracted | vitro    | 0.98          | 0.22          | Occlusal | Histology    | Primary   |
| 4.       | (Ashley et al. 1998) Visual (other) Imaging (analog radiograph) Electrical conductance / impedance Transillumination (FOTI/DIFOTI) | 103         | 103   | NR - extracted | vitro    | 0.60          | 0.36          | Occlusal | Histology    | Permanent |
| 5.       | (Astvaldsdottir et al. 2012) Imaging (analog radiograph) Transillumination (FOTI/DIFOTI) | 56          | 112   | NR - extracted | vitro    | 0.64          | 0.15          | Approximal | Histology    | Permanent |
| 6.       | (Attrill and Ashley 2001) Fluorescence (red fluorescence) Imaging (analog radiograph) | 58          | 58    | NR - extracted | vitro    | 0.60          | 0.51          | Occlusal | Histology    | Primary   |
| 7.       | (Bahrololoomi et al. 2015) Fluorescence (red fluorescence) Visual (Ekstrand/ERK) Imaging (analog radiograph) | 109         | 115   | 31           | vivo     | 0.94          | 0.52          | Occlusal | Excavation   | Permanent |
| 8.       | (Braga et al. 2009) Fluorescence (red fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 131         | 84    | NR - extracted | vitro    | 0.63          | 0.26          | Occlusal | Histology    | Primary   |
| 9.       | (Braun et al. 2017) Visual (ICDAS) Imaging (digital radiograph)          | 84          | 84    | NR - extracted | vitro    | 0.77          | 0.40          | Occlusal | Histology    | Primary   |
| 10.      | (Bussaneli et al. 2015c) Transillumination (NIR) Fluorescence (red fluorescence) Imaging (analog radiograph) | 94          | 102   | NR - extracted | vitro    | 0.70          | 0.19          | Occlusal | Histology    | Permanent |
| 11.      | (Bussaneli et al. 2015b) Fluorescence (red fluorescence) Visual (other) Imaging (analog radiograph) | 59          | 59    | 45           | vitro    | 0.71          | 0.58          | Approximal | Visual       | Primary   |
| Study ID          | Technology                                                                 | Tooth sites | Teeth | Participants | In-vitro  | Prevalence | Prevalence | Surface | Ref standard | Dentition |
|------------------|----------------------------------------------------------------------------|-------------|-------|--------------|-----------|------------|------------|---------|--------------|-----------|
| 12. (Bussaneli et al. 2015a) | Visual (ICDAS) Imaging (analog radiograph) | 77          | 77    | NR - extracted | vitro     | 0.63       | NR         | Occlusal | Histology    | Permanent |
| 13. (Castilho et al. 2016)     | Fluorescence (red fluorescence) Visual (ICDAS)                              | 43          | 43    | 26           | vivo       | 0.81       | 0.07       | Occlusal | Histology    | Permanent |
| 14. (Chawla et al. 2012)       | Visual (ICDAS) Transillumination (FOTI/DIFOTI)                               | 135         | NR    | NR - extracted | vitro     | 0.61       | 0.24       | Approximal | Histology    | Primary   |
| 15. (Cinar et al. 2013)        | Fluorescence (red fluorescence) Visual (Ekstrand/ERK) Imaging (analog radiograph) | 44          | NR    | NR - extracted | vitro     | 0.75       | 0.2        | Occlusal | Histology    | Primary   |
| 16. (Costa et al. 2002)        | Fluorescence (red fluorescence) Visual (other) Imaging (digital radiograph) | 49          | 49    | NR - extracted | vitro     | 0.65       | 0.31       | Occlusal | Histology    | Permanent |
| 17. (Dias da Silva et al. 2010) | Visual (Ekstrand/ERK) Imaging (digital radiograph)                          | 50          | 50    | NR - extracted | vitro     | 0.56       | 0.38       | Occlusal | Histology    | Primary   |
| 18. (Diniz et al. 2011)        | Visual (ICDAS) Imaging (analog radiograph)                                 | 104         | 104   | NR - extracted | vitro     | 0.94       | NR         | Occlusal | Histology    | Permanent |
| 19. (Diniz et al. 2012)        | Fluorescence (red fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 105         | 105   | 88           | vitro     | 0.95       | 0.26       | Occlusal | Histology    | Permanent |
| 20. (Diniz et al. 2019)        | Fluorescence (red fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 88          | 88    | NR - extracted | vitro     | 0.75       | 0.63       | Occlusal | Histology    | Primary   |
| 21. (Ekstrand et al. 2011)     | Visual (ICDAS) Imaging (analog radiograph)                                 | 160         | 140   | NR - extracted | vitro     | 0.82       | 0.64       | Approximal | Histology    | Permanent |
| 22. (Freitas et al. 2016)      | Visual (ICDAS) Imaging (analog radiograph)                                 | 166         | 89    | 56           | vivo       | 0.68       | 0.5        | Approximal | Histology    | Primary   |
| 23. (Goel et al. 2009)         | Fluorescence (red fluorescence) Visual (Ekstrand/ERK) Imaging (analog radiograph) | 83          | 84    | NR           | vivo       | 0.98       | 0.43       | Occlusal | Histology    | Permanent |
| 24. (Hintze and Wenzel 2003)   | Visual (other) Imaging (analog radiograph)                                 | 373         | 198   | NR - extracted | vitro     | 0.56       | 0.14       | Approximal | Histology    | Permanent |
| Study ID | Technology | Tooth sites | Teeth | Participants | In-vitro/In-vivo | Prevalence D1 | Prevalence D3 | Surface | Ref standard | Dentition |
|----------|------------|-------------|-------|--------------|----------------|---------------|---------------|---------|--------------|-----------|
| 25. (Huth et al. 2010) | Fluorescence (red fluorescence) Visual (Ekstrand/ERK) | 117 | 117 | 117 | vivo | 0.66 | 0.37 | Occlusal | Excavation | Permanent |
| 26. (Iranzo-Cortes et al. 2017) | Fluorescence (red fluorescence) Visual (ICDAS) | 64 | 65 | NR-extracted | vitro | 0.77 | 0.17 | Occlusal | Histology | Permanent |
| 27. (Jablonksi-Momeni et al. 2012) | Fluorescence (blue fluorescence) Visual (ICDAS) | 80 | 36 | NR-extracted | vitro | 0.84 | 0.48 | Occlusal | Histology | Permanent |
| 28. (Jablonksi-Momeni et al. 2017) | Imaging (digital radiograph) Transillumination (NIR) | 193 | 161 | 18 | vivo | 0.62 | NR | Approximal | Visual | Permanent |
| 29. (Fabian et al.) | Imaging (digital radiograph) Transillumination (NIR) | 70 | 70 | 35 | vivo | 0.56 | 0.03 | Approximal | Visual | Permanent |
| 30. (Kim et al. 2017) | Fluorescence (green fluorescence) Visual (other) | 280 | 280 | 65 | vitro | 0.61 | 0.2 | Approximal | Radiograph | Permanent |
| 31. (Ko et al. 2015) | Fluorescence (green fluorescence) Visual (ICDAS) Imaging (digital radiograph) | 95 | 120 | NR | vivo | 0.80 | 0.15 | Approximal | Histology | Permanent |
| 32. (Ko et al. 2017) | Fluorescence (red fluorescence) Visual (ICDAS) Imaging (digital radiograph) Electrical conductance/impedance | 120 | 144 | NR | vivo | 0.78 | 0.32 | Occlusal | Histology | Primary |
| 33. (Kucukyilmaz et al. 2015) | Fluorescence (red fluorescence) Visual (other) Imaging (digital radiograph) Electrical conductance/impedance | 200 | 200 | 200 | vivo | 0.82 | 0.33 | Occlusal | Histology | Primary |
| 34. (Laiala et al. 2017) | Visual (ICDAS) Transillumination (FOTI/DIFOTI) | 2103 | 1162 | 91 | vivo | 0.20 | 0.06 | Approximal | Radiograph | Permanent |
| Study ID | Technology | Tooth sites | Teeth | Participants | In-vitro | Prevalence | Prevalence | Surface | Ref standard | Dentition |
|----------|------------|-------------|-------|--------------|----------|------------|------------|---------|--------------|-----------|
| 35. (Lussi et al. 2006) | Fluorescence (red fluorescence) Imaging (analog radiograph) | 150 | 150 | 75 | vitro | 0.59 | 0.25 | Approximal | Histology | Permanent |
| 36. (Mansour et al. 2016) | Fluorescence (red fluorescence) OCT | 426 | 932 | 40 | vitro | 0.12 | 0.14 | Occlusal | Visual | Primary |
| 37. (Matos et al. 2011) | Fluorescence (red fluorescence) Imaging (analog radiograph) | 382 | 382 | 68 | vivo | 0.92 | 0.05 | Occlusal | Visual | Primary |
| 38. (Mendes et al. 2006) | Fluorescence (red fluorescence) Visual (Ekstrand/ERK) Imaging (analog radiograph) | 110 | 79 | NR - extracted | vitro | 0.75 | 0.25 | Occlusal | Histology | Primary |
| 39. (Mialhe et al. 2003) | Imaging (analog radiograph) Transillumination (FOTI/DIFOTI) | 199 | 199 | 70 | vivo | 0.85 | 0.14 | Approximal | Visual | Permanent |
| 40. (Mitropoulos et al. 2010) | Visual (ICDAS) Imaging (analog radiograph) | 410 | 20 | NR - extracted | vitro | 0.60 | 0.45 | Approximal | Histology | Permanent |
| 41. (Mortensen et al. 2018) | Fluorescence (red fluorescence) Imaging (digital radiograph) Electrical conductance / impedance | 60 | 57 | 57 | vivo | 0.97 | 0.45 | Occlusal | Visual | Permanent |
| 42. (Nakagawa et al. 2013) | Visual (other) OCT | 127 | 93 | NR - extracted | vitro | 0.75 | 0.31 | Smooth | Visual | NR |
| 43. (Nakajima et al. 2014) | Visual (other) OCT | 38 | 26 | NR - extracted | vitro | 0.74 | 0.32 | Occlusal | Histology | Primary |
| 44. (Neuhaus et al. 2011) | Fluorescence (red fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 37 | 37 | NR - extracted | vitro | 0.73 | 0.24 | Occlusal | Histology | Primary |
| 45. (Novaes et al. 2009) | Fluorescence (red fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 621 | 50 | NR | vivo | 0.41 | 0.03 | Approximal | Visual | Primary |
| 46. (Novaes et al. 2010) | Fluorescence (red fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 592 | 168 | 76 | vivo | 0.81 | 0.05 | Approximal | Visual | Primary |
| Study ID | Technology                                      | Tooth sites | Teeth | Participants | In-vitro | Prevalence | Prevalence | Surface | Ref standard | Dentition |
|---------|------------------------------------------------|-------------|-------|--------------|----------|------------|------------|---------|--------------|-----------|
| 47.     | (Novaes et al. 2012) Visual (ICDAS) Imaging (analog radiograph) | 344         | 76    | 76           | vivo     | 0.80       | NR         | Approximal | Visual | Primary |
| 48.     | (de Paula et al. 2011) Fluorescence (red fluorescence) Visual (other) | 64          | 64    | 26           | vitro    | 0.88       | 0.28       | Occlusal   | Histology | Permanent |
| 49.     | (Pereira Antônio et al. 2011) Fluorescence (red fluorescence) Visual (Ekstrand/ERK) Electrical conductance / impedance | 96          | 96    | NR - extracted | vitro    | 0.57       | 0.25       | Occlusal   | Histology | Permanent |
| 50.     | (Rocha et al. 2003) Fluorescence (red fluorescence) Visual (Ekstrand/ERK) Imaging (analog radiograph) | 100         | 50    | 29           | vivo     | 0.58       | 0.14       | Occlusal   | Histology | Primary |
| 51.     | (Rodrigues et al. 2008) Fluorescence (blue fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 119         | 119   | NR - extracted | vitro    | 0.93       | 0.54       | Occlusal   | Histology | Permanent |
| 52.     | (Rodrigues et al. 2009) Fluorescence (red fluorescence) Visual (other) | 148         | 148   | NR - extracted | vitro    | 0.92       | 0.03       | Occlusal   | Histology | Primary |
| 53.     | (Seremidi et al. 2012) Fluorescence (red fluorescence) Visual (Ekstrand/ERK) | 107         | 107   | 41           | vitro    | 0.78       | 0.19       | Occlusal   | Histology | Permanent |
| 54.     | (Shi et al. 2000) Fluorescence (red fluorescence) Visual (other) | 70          | 76    | NR - extracted | vitro    | 0.73       | 0.39       | Occlusal   | Histology | Permanent |
| 55.     | (Shimada et al. 2010) Visual (Ekstrand/ERK) OCT | 111         | 62    | NR - extracted | vitro    | 0.86       | 0.38       | Occlusal   | Histology | Permanent |
| 56.     | (Shimada et al. 2014) Imaging (analog radiograph) OCT | 91          | 53    | 53           | vivo     | 0.67       | 0.38       | Approximal | Excavation | Permanent |
| 57.     | (Sidi and Naylor 1988) Visual (other) FOTI | 4405        | 4405  | 456          | vivo     | 0.03       | 0.01       | Approximal | Radiographs | Permanent |
| 58.     | (Simon et al. 2016) Imaging (digital radiograph) Transillumination (NIR) | 109         | 40    | 40           | vivo     | 0.82       | NR         | Occlusal   | Histology | Permanent |
### Appendix Table 1: Characteristics of included studies

Assessment of risk of bias for the reference standard.

The lack of a ‘perfect’ reference standard for caries detection and diagnosis is a particular challenge when designing and conducting studies of diagnostic test accuracy in this area, and imperfect reference standards are therefore employed. The

| Study ID | Technology | Tooth sites | Teeth | Participants | In-vitro | Prevalence D1 | Prevalence D3 | Surface | Ref standard | Dentition |
|----------|------------|-------------|-------|--------------|----------|--------------|--------------|---------|--------------|-----------|
| 59.      | Fluorescence (red fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 79  | 79 NR - extracted | vitro | 0.76 | 0.35 | Occlusal | Histology | Permanent |
| 60.      | Fluorescence (red fluorescence) Imaging (analog radiograph) | 102  | 51 NR - extracted | vitro | 0.48 | 0.34 | Approximal | Histology | Permanent |
| 61.      | Fluorescence (red fluorescence) Imaging (digital radiograph) | 195  | 195 46 | vitro | 0.41 | 0.13 | Approximal | Visual | Primary |
| 62.      | Visual (ICDAS) Imaging (analog radiograph) | 48  | 25 NR - extracted | vitro | 0.81 | 0.33 | Approximal | Histology | Primary |
| 63.      | Fluorescence (red fluorescence) Visual (Ekstrand/ERK) | 50  | 50 NR - extracted | vitro | 0.88 | 0.12 | Occlusal | Histology | Permanent |
| 64.      | Fluorescence (red fluorescence) Visual (ICDAS) Electrical conductance / impedance | 64  | 64 NR - extracted | vitro | 0.72 | 0.31 | Occlusal | Histology | Permanent |
| 65.      | Fluorescence (blue fluorescence) Visual (ICDAS) Imaging (analog radiograph) | 108  | 108 NR - extracted | vitro | 0.43 | 0.35 | Approximal | Histology | Permanent |
| 66.      | Fluorescence (red fluorescence) OCT | 42  | 45 NR - extracted | vitro | 0.76 | 0.31 | Occlusal | Histology | Permanent |
| 67.      | Fluorescence (red fluorescence) Imaging (analog radiograph) | 107  | 72 NR - extracted | vitro | 0.83 | 0.5 | Approximal | Histology | Primary |
| 68.      | Visual (Ekstrand/ERK) OCT | 97  | 77 NR - extracted | vitro | 0.74 | 0.48 | Occlusal | Histology | Permanent |

NR Not reported
Cochrane reviews considered histology, radiographs, excavation, or enhanced visual examination (+/- tooth separation) as eligible reference standards. To ensure comparability and minimise bias, each tooth site or surface within a study would be exposed to the same reference test. This is easier to achieve with in vitro studies where, for example, a reference standard of histology can be applied to each tooth. In vivo studies may have applied the same reference standard by using enhanced visual examination or radiographs as a reference standard. Where a study allocated participants or tooth sites / surfaces to different reference standards this should be clearly reported and justified. Ideally, the index test and reference standard would have been undertaken by different, blinded examiners, and all reference standards should have been completed without knowledge of the index test results. Where studies used extracted teeth that had been sectioned and prepared for histological evaluation it is unlikely that the same examiner would be able to recall results from the index test for the specific tooth under evaluation.
| Study ID | Risk of bias assessment | Applicability assessment |
|----------|-------------------------|-------------------------|
|          | Patient selection | Index test fluorescence | Index test transillumination & OCT | Index test visual classification | Index test electrical conductance | Reference standard | Flow & timing | Patient selection | Index test fluorescence | Index test transillumination & OCT | Index test visual classification | Index test electrical conductance | Reference standard |
| 1. (Achilleos et al. 2013) | H | L | L | L | L | H | L | H | H | L | L |
| 2. (Akarsu and Koprulu 2006) | U | H | L | H | H | L | L | L | L |
| 3. (Apostolopoulou et al. 2009) | H | U | L | L | H | L | H | L | L |
| 4. (Ashley et al. 1998) | H | L | L | U | U | L | L | H | L | L |
| 5. (Astrálsdóttir et al. 2012) | H | U | L | L | L | H | L | L | L |
| 6. (Astril and Ashley 2001) | H | L | L | L | H | L | H | L | L |
| 7. (Batrololoos et al. 2015) | L | L | H | L | L | L | H | L |
| 8. (Braga et al. 2009) | H | L | H | L | L | H | L | L |
| 9. (Braun et al. 2017) | U | L | H | L | L | H | L | H |
| 10. (Bussaneli et al. 2015c) | H | L | U | U | L | H | L | H |
| 11. (Bussaneli et al. 2015b) | H | L | L | L | H | L | L | L |
| 12. (Bussaneli et al. 2015a) | H | L | L | U | U | H | L | L |
| 13. (Castilho et al. 2016) | L | L | H | L | L | L | L |
| 14. (Chawla et al. 2012) | H | L | U | L | L | L | H | L | L |
| 15. (Cinar et al. 2013) | H | L | L | H | L | L | H | L | L |
| 16. (Costa et al. 2002) | H | L | L | L | H | L | L | L |
| 17. (Dias da Silva et al. 2010) | H | L | L | H | L | L | H | L | L |
| 18. (Diniz et al. 2011) | H | L | L | L | H | L | H | L |
| 19. (Diniz et al. 2012) | U | H | L | L | H | L | H | L |
| 20. (Diniz M et al. 2019) | U | H | L | L | L | H | L | L |
| 21. (Ekstrand et al. 2011) | H | L | L | L | H | L | H | L |
| 22. (Freitas et al. 2016) | H | L | L | L | U | L | L | L |
| 23. (Goel et al. 2009) | H | L | U | L | U | U | L | L |
| 24. (Hintze and Wenzel 2003) | H | L | U | L | L | H | H | L |
| 25. (Huth et al. 2010) | L | H | L | H | L | L | L |
| 26. (Irano-Cortes et al. 2017) | H | L | L | L | H | L | L |
| 27. (Jablonski-Momeni et al. 2012) | U | U | L | U | L | H | L | H |
| 28. (Jablonski-Momeni et al. 2017) | U | L | U | U | L | L | L | L |
| 29. (Fabian et al.) | H | L | L | H | L | L | L | L |
| 30. (Kim et al. 2017) | U | H | L | H | H | L | L | L |
| 31. (Ko et al. 2015) | H | H | L | H | L | L | L | L |
|   | Appendix Table 2: QUADAS-2 assessments from the original Cochrane reviews. |
|---|---------------------------------------------------------------------------|
| 32 | (Kockanat and Unal 2017) U L L L L L H L L                           H L L L L |
| 33 | (Kucukyilmaz et al. 2015) H L L H L L L L L                           L L L L L |
| 34 | (Laitala et al. 2017) U U L L H L L L L L                           L L L L L |
| 35 | (Lussi et al. 2006) H H L L L M L H                                L H L |
| 36 | (Mansour et al. 2016) U U U H L L L L U                           U U L |
| 37 | (Matos et al. 2011) L H H H L L L L H                             H H L |
| 38 | (Mendes et al. 2006) H H U L L L L H L                             H H L |
| 39 | (Mialhe et al. 2003) U L L H H L L L L                            H L L L |
| 40 | (Mitropoulos et al. 2010) H L L L L L H H                           H H L |
| 41 | (Mortensen et al. 2018) H L H U L L U L                              L L L |
| 42 | (Nakagawa et al. 2013) H L L L L L L H                              L H L |
| 43 | (Nakajima et al. 2014) H L L L L L H L                              H H L |
| 44 | (Neuhaus et al. 2011) H H H L U L H L                               H H L |
| 45 | (Novaes et al. 2009) L H L H H L L L L                              L L L |
| 46 | (Novaes et al. 2010) L L L H H L L L L                              L L L |
| 47 | (Novaes et al. 2012) L U U U H L L H L                              H L L |
| 48 | (de Paula et al. 2011) H L L L L L L L H                             H L L |
| 49 | (Pereira Antônio et al. 2011) H L L L L L L L H                      H L L |
| 50 | (Rocha et al. 2003) H L H H L L H L L L                              L L L |
| 51 | (Rodrigues et al. 2008) H L L H L H L L L                              L L L |
| 52 | (Rodrigues et al. 2009) H L L L L L H L                              H L L |
| 53 | (Seremidi et al. 2012) H L L L L L H L                              H L L |
| 54 | (Shi et al. 2009) H H H H L L H L L                                  H L L |
| 55 | (Shimada et al. 2010) H L L L L L L H L                              H L L |
| 56 | (Shimada et al. 2014) H L L L L H L L L L                             H L L |
| 57 | (Sidi and Naylor 1986) H U U U H U H L                              L U L |
| 58 | (Simon et al. 2016) U L L L L L H L L                                  L L L |
| 59 | (Souza J et al. 2015) H L L L H L L L L L                              H L L |
| 60 | (de Souza et al. 2014) H H L L L H L L L L                             H L L |
| 61 | (de Souza et al. 2018) L L L L L L L L L L                             L L L |
| 62 | (Soviero et al. 2012) H L L L H L L L L L                              L L L |
| 63 | (Sridhar et al. 2009) H L L L L L L L L L                              H L L |
| 64 | (Teo et al. 2014) U L L L L L L L L L L                              L L L |
| 65 | (Tonkaboni et al. 2018) U U L U L U L L L L                             L L L |
| 66 | (Van Hilsen and Jones 2013) H L L L L L L L L                             L L L |
| 67 | (Virajaip et al. 2005) H H L L L H L L L L                             L L L |
| 68 | (Xiao-Hua et al. 2016) H L L L L L L L L L                             L L L |
Appendix Figure 3: Stratified bivariate analysis for fluorescence-based technologies reporting on a continuous scale and grouping studies with similar thresholds.
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