

| | bias arising from the randomization process | bias due to deviations from intended interventions | bias in measurement of the outcome | bias due to missing outcome data | bias in selection of the reported result |
|----------------------------|---|--|------------------------------------|----------------------------------|--|
| Baenett AH et al. 2014 | + | + | + | + | + |
| Bailey CJ et al. 2013 | + | + | + | ? | + |
| Del Prato S et al. 2015 | + | + | + | ? | + |
| Haering H et al. 2015 | + | + | + | + | + |
| Hollander P et al 2019 | + | + | + | ? | + |
| Kohan DE et al. 2014 | ? | + | + | ? | + |
| Kovasc CS et al. 2015 | + | + | + | + | + |
| Merker L et al. 2015 | + | + | + | + | + |
| Ridderstrale M et al, 2014 | + | + | + | + | + |
| Roden M et al. 2015 | + | + | + | + | + |
| Rosenstock J et al. 2015 | + | + | + | + | + |
| Wanner C et al, 2016 | + | + | + | - | + |
| Wilding JP et al, 2014 | + | + | + | + | + |
| Wiviott SD et al, 2019 | + | + | + | - | ? |

Supplementary Figure 1. Study quality and risk of bias assessment.