**Supplementary Table 4. Summary of the causal relationship between the gut microbiota (UK Biobank cohort) and the risk of liver cirrhosis based on the IVW method**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Classification** | **No. of SNP** | **β** | **SE** | **OR (95% CI)** | ***p***  **value** | **Horizontal pleiotropy** | | |  | **Heterogeneity** | |
| **Egger**  **intercept** | **SE** | ***p***  **value** |  | **Cochran’s**  **Q** | ***p***  **value** |
| *Butyricicoccus* | 8 | −0.0004 | 0.0003 | 0.9996 (0.9989, 1.0003) | 0.2595 | −0.0000 | 0.0001 | 0.9506 |  | 4.3070 | 0.7438 |
| *Marvinbryantia* | 10 | −0.0009 | 0.0004 | 0.9991 (0.9984, 0.9999) | 0.0236 | −0.0002 | 0.0001 | 0.2734 |  | 3.8561 | 0.7962 |

IVW, inverse variance weighting; OR, odds ratio; SE, standard error; SNP, single nucleotide polymorphism.